

## Debbie Davis Is '93 Plant Sale Chairman

Debbie Davis, an active volunteer for the DBG Plant & Used Book Sale for four years, has been named chairman of the 1993 sale. She was last year's cochairman, chaired the customer service division and was a member of the preview party committee.

Davis brings to the job some exemplary organizational and business skills and a professional background that includes her service as public relations director for Colorado Women's College and as project manager for Polo Club North. She is a member of the Garden Club of America for which she volunteers many hours in DBG's Home Demonstration Garden.

The Plant & Used Book Sale steering committee also has chosen Carol Schutz to be the cochairman of the 1993 sale. She has a degree in Ornamental Horticulture and Botany and a Master's Degree in Botanic Garden Management. She has chaired the tree and shrub division of the sale for four years.

### From the Sale Chairman:

Strong support from many members of the gardening community has made the annual DBG Plant & Used Book Sale a nationally recognized success. The triumph of the 1992 event, which raised over \$103,000 for DBG programs, was accomplished by the efforts of 1,200 volunteers and staff members.

Even though seed catalogs have barely arrived and you've just begun planning your spring garden, arrangements for the May 7 and 8 sale are already well underway. Volunteer opportunities in all activities of the sale are available. Sale committees need many kinds of experience and any level of skill. Several orientation and training sessions are planned before the sale. So if you would like to help make this fund-raiser the best ever for the Gardens, please call 370-8049 to offer your services.

What can you look forward to? New plant varieties, a more efficient check-out system and the fun of working with an enthusiastic corps of fellow volunteers.

Members can also look forward to the announcement of the winner of the first annual Plant & Used Book Sale Fine Art Poster Contest in the March Green Thumb News. And here's a reminder: Posters autographed by the winning artist will be available only at the 1993 sale.

—Debbie Davis, 1993 Plant &  
Used Book Sale Chairman

## Green Thumb



# NEWS

### Denver Botanic Gardens January 1993 Number 93-1



*A fresh snowfall  
illustrates the  
ever-changing  
beauty of grasses  
in the landscape.*

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## From the Executive Director

The new year promises to be a most exciting one at DBG, built on the extensive planning and the successes of the past few years.

The actual design work of the first projects of the Master Plan will begin soon and, as this goes to press, the finalists have been selected for these projects.

The membership, education, outreach and horticulture programs all have built impressive track records. Membership continues to grow at more than 15 percent each year, the education programs dramatically expanded in 1992 and many seasoned visitors commented that the gardens looked better in 1991 than ever. Add to that the successes of everything the volunteers touch—at Chatfield and at York Street—and we have a tremendous base for growth.

In 1993 we will be able to capitalize on these fine programs to raise the visitation and visibility to new levels, and find and expand new ways to earn more income to help support these programs.

As 1993 progresses, I think you will see substantial expansion and improvement in every area as we strive to serve members and the public with the most exciting and innovative programs possible.

—Richard H. Daley

## Tributes

### In honor of the 50th anniversary of Mr. & Mrs. Stanford Green

Mr. and Mrs. Bert Naster

### In memory of Honorable Alfred Arraj

Mr. and Mrs. John A. Atkinson

### In memory of Linda Campbell

Ms. Elizabeth B. Allwyn

### In memory of Tim Duncanson

Mr. and Mrs. Rock Eggen

### In memory of Gloria Falkenberg

Mr. and Mrs. Leo Cone  
Denver Botanic Gardens Guild

### In memory of Dorwin Maike

Ms. Joan Summerfeld

### In memory of Marguerite L. Pearson

Los Alamos National Laboratory

## Employee of the Month

We recognize Kevin Yeatts, part-time cashier at York Street, as November employee of the month.

Kevin is always willing to help whenever and wherever needed, but recently he distinguished himself by "going the extra mile" for some out-of-town visitors who arrived at the gate when the Gardens was closed to set up for Fete des Fleurs. By showing them to the south staff-only gate he helped salvage their vacation visit to the Gardens.

Kevin has been an employee for one year. If you've missed him, he usually works weekends. He is also a full-time student of aerospace engineering and physics.

Congratulations, Kevin.

## 1993 Free Days Set

Seven free days have been set for Denver Botanic Gardens at each of its major locations during 1993. There is no admission charge for Colorado residents on these days. They are scheduled with the approval of the manager of the Department of Parks and Recreation and the Denver City Council in cooperation with the Scientific & Cultural Facilities District.

At 1005 York Street, free days will be on Monday, Jan. 18, Martin Luther King, Jr.'s birthday; Saturday, March 6; Saturday, April 10; Wednesday, July 21; Friday, Sept. 3, Labor Day Weekend; Sunday, Nov. 7 and Wed., Dec. 8.

At Chatfield Arboretum, free days will fall on the first Saturday of every month. Those dates are April 3; May 1; June 5; July 3, Independence Day Weekend; Aug. 7; Sept. 4, Labor Day Weekend; and Oct. 2.

## Denver Art Museum Celebrates 100 Years

Lewis Sharp, Director of the Denver Art Museum, has announced a year-long celebration, beginning in February, of the museum's centennial.

The institution has planned special exhibitions, events and educational programs, and the reopening of renovated galleries. A public celebration the weekend of Feb. 6 and 7 will begin the anniversary activities by highlighting the reinstalled Asian, Pre-Columbian and Spanish Colonial display floors.

For more information call the museum, 640-2295.

## Green Thumb News Number 93-1 • Jan. 1993

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Editor: Larry Latta, 370-8033  
Deadline for March issue: Jan. 18

Subscription to this newsletter is a benefit of membership in the Denver Botanic Gardens. For information please call 303 370-8029, or 303 370-8032 TDD.

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.



Many wintry scenes will reward your January stroll in the Gardens.





# Guide Training Program Revamped to Meet Increased Demands

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To meet our visitors multiplying requests for guided tours, the DBG Education Department has expanded and restructured its program for training volunteer guides.

The first of the new classes meets Tuesday, March 2. It is an introductory course which qualifies future guides to continue training as preschooler, sensory garden and outdoor garden guides at York Street and as naturalist guides at Chatfield Arboretum.

Summaries of these courses follow. Details and registration information is included in the winter Education Programs catalog. Or you may call 370-8020.

*Introduction for Tour Guides* will meet at DBG March 2, 9, 16 and 23 from 9 a.m. to noon. This class will prepare you to continue training to become a Denver Botanic Gardens tour guide. As an overview, it will introduce you to DBG's history, its programs and plant collections and to basic guiding techniques. Taught by DBG staff and volunteers, its \$25 fee includes a training manual, a one-year membership in the volunteer organization, Associates of Denver Botanic Gardens. It also includes participation in any or all of the specialized courses that follow. (The course for conservatory guides is not included and will be offered in the fall.)

*Chatfield Arboretum Naturalist Guide Training* follows on eight Tuesdays, March 30 through May 18, from 9 a.m. to noon in the Visitor Center at Chatfield Arboretum. Natural history, ecology and Colorado history are included in this training. A historic farm, a 19th century one-room schoolhouse, nature trails, wetlands and a nature center are all part of the unique tours and experiences Chatfield Arboretum naturalist guides share with the groups of adults and schoolchildren who visit there.

This training ends in time for you to assist with this season's weekday tours. Upon graduation you will be expected to volunteer at least four hours a month guiding at the Arboretum.

*Outdoor Tours Guide Training* will meet on 10 Thursday mornings, April 1 through June 10, at Denver Botanic Gardens. Guides will learn about DBG's outdoor gardens and plants from alpenes to waterlilies, from the Aztec Garden to the Xeriscape Demonstration Garden, to share them with groups of adults and schoolchildren. Tours are offered on weekdays, weekends and occasional evenings for special events.



*The plants of the Morrison Horticultural Demonstration Center are tools DBG guides use to awaken young senses to the world of plants.*

*Preschool Guide Training* will be held on Mondays, May 10, 17 and 24, from 9 a.m. to noon in the Morrison Horticultural Demonstration Center. The name of this class could just as well be "Another Way of Looking." After completing this course you will help three- to five-year-olds look in a different way at a special DBG garden. Puppets, touch-and-feel plants, noses, insects and storytelling are all guiding tools for preschoolers. If you enjoy young children and you know the rewards of teaching them (and learning from them), this is the volunteer opportunity for you. The instructor is DBG Youth Education Specialist Carol Knepp.

*Sensory Tour Guide Training* will meet mornings, Fridays, May 14 and 21, and Monday, May 24, in the Sensory Garden at the Morrison Horticultural Demonstration Center. This garden was designed to provide enjoyment and learning about plants through the senses of sight, smell, taste, touch and hearing, and the class will train you in the needs and characteristics of special populations. It is preparation for group tours that are offered from June through September for those participating in therapy or rehabilitation programs. The instructor is DBG's Horticultural Therapist Rebecca Haller.

## Advisors Needed to Improve Gardens' Accessibility

The Accessibility Advisory Group offers a challenging volunteer opportunity. This citizen group regularly analyzes the facilities and programs at Denver Botanic Gardens and recommends changes to make them more accessible to people with limited ability.

Have you ever found it difficult to understand a speaker at the Gardens because of background noise, or wished for a place to rest where no seating was available? Are some of the Gardens' publications difficult for you to read?

If you are interested in solutions to these and other vexing situations, please consider joining the Accessibility Advisory Group for its quarterly meetings to mobilize changes that will help the Gardens and its amenities be readily accessible to everyone.

For more information contact Rebecca Haller, 370-8040 or TDD 370-8032, or the Accessibility Advisory Group chairman, Paul Bilzi, 238-9143.



## 4 Boettcher Memorial Conservatory a Tropical Laboratory

Since its dedication in 1966, DBG's Boettcher Memorial Conservatory collection has grown from a sparse planting of juvenile tropical and subtropical plants to the lush display of maturing tropicals our visitors experience today. The primary purpose of this living laboratory is to provide our visitors with a full sensory tropical experience.

Economic plants play a major role in the DBG education program and are used in the conservatory whenever possible. Inclusion of as many showy flowering plants as possible for year-round color is another goal of plant selection. We are now concentrating on the acquisition of unusual specimens in an effort to highlight the diversity of plants found in tropical habitats worldwide.

*Right: Heliconia 'Golden Torch' is a recent addition to the conservatory's tropical plantings.*

*Below: The Gardens' valuable collection of Phalenopsis and other orchids will be used to extend the diversity of plants in the conservatory's educational*



The conservatory is home to approximately 45 tropical and subtropical trees. When the first trees were introduced, selection was limited. Many trees were species whose ultimate height would eventually outgrow the structure.

In the early '80s we began to perform "canopy control." Trees whose heights cannot be controlled physically are regularly removed and replaced with specimens having a more appropriate ultimate size and rate of growth. Trees that respond well to severe pruning are pruned twice a year.

We currently have over 300 taxa of understory plants in this indoor garden. By noting the microclimates within the conservatory, and by trial and error, most of the understory plants have been replaced with ones better suited to particular growing conditions.

Boettcher Memorial Conservatory was an instant landmark when it was built. The following information excerpted from an article by Marilyn Holmes will acquaint newer DBG members with its unique features.

"Donated by the Boettcher Foundation, the Conservatory was designed by the architectural firm of Hornbein and White and built by Gerald H. Phipps, Inc. The building design is based on an upside-down catenary curve, much like the cables of a suspension bridge. The two principal materials used were reinforced concrete and one-quarter-inch plexiglass. The interlacing concrete ribbons of the superstructure were poured in place into plywood forms supported by a wooden framework... The weight of the structure is supported by 116 concrete caissons which penetrate the earth to a depth of 25 feet."

The conservatory is 72' x 160' x 51' high and covers approximately one-quarter acre of garden space.

Its tropical environment is maintained by complex heating and cooling systems. It is heated by boilers that maintain the night-time temperature at 65 degrees Fahrenheit. An evaporative cooling system helps moderate the daytime temperature to 85 degrees or less. The ideal humidity should be 80 to 90 percent, and is

accomplished by frequently wetting the gravel pathways and foliage. Due to the lack of natural precipitation in this enclosed environment, the garden must be hand-watered daily.

Many visitors are curious about how pests are controlled in such a diverse collection. Over the past 15 years DBG staff members have implemented a many-faceted, integrated pest management program. By using beneficial insects, gecko lizards, tree frogs and bufo toads we have all but eliminated the need for chemicals in this tropical paradise. Unfortunately, due to their nocturnal habits, these garden helpers are rarely seen by visitors.

Future plans in Boettcher Memorial Conservatory include upgrading the pathways for improved accessibility, a treetop viewing area to facilitate observation of canopy plants, improved lighting for evening visitors and additional seating areas. Eventually the Gardens' extensive collections of orchids and bromeliads will be incorporated into the conservatory plantings, a finishing touch of beauty and interest for Denver Botanic Gardens' tropical laboratory.

—Joann Narverud and  
Gary Davis, Operations Supervisors  
in Horticulture





## Benefits for Members Increase in 1993

1993 marks the beginning of expanded programs and benefits for Denver Botanic Gardens members. This new column will keep you abreast of special new member events.

### Dollar Matinees

Parents and children will be especially interested in a new series of Saturday movie matinees on nature, wildlife and other subjects. They are for members only and cost just a dollar a person, payable at the door to Mitchell Hall. The first Denver Botanic Gardens Matinee Day is January 9. From 2 to 4 p.m. you and your family can enjoy popcorn and soft drinks with the featured film, *The Emerald Forest*. Bring your favorite pillow or Teddy bear and enjoy some fun at the Gardens. You're a member. You deserve it.

### Greenhouse Tours

Free behind-the-scenes tours of the DBG greenhouses will soon be offered periodically to Arbor Circle members. These interesting ventures will allow you to see production areas that are usually "off-limits" to all but staff and greenhouse volunteers. The first is Wednesday, March 10. For details watch for your special invitation.

### Renew Promptly

You won't want to miss the many special new member events coming up, so please renew your membership with your first renewal notice. Here's a thank you beforehand—renewing promptly will save your Gardens postage, staff time and paper.

## Romance Comes to DBG for Valentine's Day

Lovers, young and old, try year after year to please their significant others with traditional gifts of love—sweetheart roses and fine chocolates. While tradition is nice, so too are surprises. So this year plan a romantic, fun-filled Valentine weekend at Denver Botanic Gardens.

Feb. 12 to 14 the Gardens will help you celebrate this romantic holiday with special events, charming displays and workshops designed with you and your sweetheart in mind. We'll have the flowers and chocolates, too.

Mark your calendar now. You won't want to miss it. Details are forthcoming.

## Plan Now for DBG Travel

Travel committee chairman Barbara Baldwin reminds that the following trips have been scheduled for DBG members in 1993: Gardens & Art of Italy, June 17 to July 2; Baltimore and the Eastern Shore, April 28 to May 2; the Crested Butte Wildflower Festival, July 8 to 11; and Boston and the North Shore, Sept. 15 to 19.

Final details are forthcoming, but if you would like early information call Barbara Baldwin, 778-7292.

## CPC Program Endows Four More Rare Species



*Gilia caespitosa*

The Gardens' efforts to preserve and study rare, threatened and endangered plants of the Rocky Mountain region received financial encouragement in December with the endowment of four species in the "national collection" of the Center For Plant Conservation.

The endowment was assisted by a gift from the Associates of Denver Botanic Gardens, which helped DBG match a challenge grant by the Andrew Mellon Foundation for the CPC's Permanent Preservation Fund.

The Denver Botanic Gardens now has nine species permanently underwritten and is considered one of the most active CPC gardens in preserving and studying America's rare and endangered plants. The CPC is comprised of 25 botanic gardens and arboretums. Coordination is from the CPC headquarters located at the Missouri Botanical Garden in St. Louis.

## Hort Center Founded in Fort Collins

DBG members in the northeastern part of Colorado will be interested to know of a new Community Horticultural Center in Fort Collins. The grassroots organization was founded to provide community service, educational opportunities and an aesthetical environment through horticulture for the town and its visitors.

Among its projects is providing fresh food for the needy with community gardening. It also offers classes in food production and landscaping. For more information, call Jim Clark in Fort Collins, 482-4528.

DBG Research Botanist Carol Dawson says the endowments will enable her and other botanists to carry out population biology studies and other research on the endangered plants.

The four species recently endowed are *Erigeron kachinensis*, *Penstemon penlandii*, *Gilia caespitosa*, and *Lepidium barnebyanum*. They join *Astragalus osterhoutii*, *Eutrema penlandii*, *Lesquerella congesta*, *Oxybaphus rotundifolius* and *Penstemon gibbensii*. All are native to the Gardens' Rocky Mountain area of responsibility, which extends from New Mexico to the Canadian border and includes portions of Utah, Oregon and Washington.

The Denver Botanic Gardens has sought out and brought into cultivation a total of 27 plant species designated as rare, threatened or endangered.



Denver Botanic Gardens, Inc.  
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303-331-4000 • 370-8032 TDD

Address correction requested

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# JANUARY

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the winter *Education Programs* quarterly, or call 370-8020.

- 6 \* *Watercolor Painting, I*
- \* *Watercolor Painting, II*
- 7 \* *Beginning Bonsai*
- \* *Eastern Landscape & Garden Design*
- 9 ☼\* *Bent-Willow Furniture Making*
- \* *Botany for Beginners*
- Members' Matinee: *The Emerald Forest*
- 10 *Behind-the-Scenes Greenhouse Tour*
- 11 \* *Drawing from Nature: Mixed Media*
- 16 ☼\* *Beginning Watercolor Painting—An Introduction to Landscapes*
- Savory Stews & Soups*
- 17 *Lilliputian Gardens*
- 18 Denver Botanic Gardens *Free Day*
- 19 *Color in the Landscape*
- 27 *Designing Your Herb Garden*

- 30 *African-Caribbean Treats*
- 31 *Herb Sauces & Dried Pastas*

## February

- 1 \* *Landscaping for Birds & Wildlife*
- 2 \* *Beginning Botanical Watercolors & Acrylics*
- \* *Low-Water Plants for Beautiful Gardens*
- 3 \* *Winter Tree Identification*
- 4 *Forcing Spring Branches*
- 6 ☼\* *Beginning Beekeeping*
- Forcing Spring Branches*
- 7 \* *Papermaking with Iris Leaves*
- 9 \* *Landscape Plants for Professionals: Part I*
- 11 ☼\* *Beginning Watercolor Painting—An Introduction to Landscapes*
- \* *Intermediate Bonsai: A Maple Grove*
- \* *Modern Landscape & Garden Design Since 1850*

**Happy New Year from the Staff & Volunteers at the Gardens!**

Austrian pine,  
*Pinus nigra*





## Founding Trustee Ruth Porter Waring Dies

Ruth Porter Waring, a charter trustee of the Gardens and one of its most generous supporters, died at her home Dec. 27. She was 103 years old.

Mrs. Waring, a long-time Life Trustee but recently less active at the Gardens, left a huge legacy of achievement and many memories by those who knew her. Dr. Moras Shubert, DBG's surviving trustee of the chartering board, summed up the Gardens' debt to her in his inability to count her many instances of generosity over the years, "She was on the original Board of Trustees, and before that on the board of the Colorado Forestry and Horticulture Association. It's hard to know where to start..." (The CFHA was a forerunning organization of Denver Botanic Gardens, which was chartered in February 1951.)

Her most visible gift is the large house at 909 York St., which serves as the Gardens' headquarters. During most of its first decade Denver's botanic garden maintained its plantings in a portion of City Park near the Denver Museum of Natural History. There they were subject to repeated vandalism. Shubert recalls, "We had to move from City Park because we were not allowed to fence in the plants."

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## Green Thumb



# NEWS

### Denver Botanic Gardens February 1993 Number 93-2

## All-Star Faculty Teaches DBG Landscape Design Workshop

Beginning, intermediate and advanced gardeners will find abundant new ideas for their own gardens in a special day-long DBG workshop presented by six of Colorado's top horticulturists. They are also among the Gardens' most popular and engaging instructors.

*Plants in the Landscape: Elements of Design*, Saturday, Feb. 20, will focus on achieving a harmonious, well-balanced garden for all seasons. Starting with a framework of trees and shrubs, existing or new, you will learn to incorporate perennials, bulbs and annuals into your landscape. Discover fabulous foliage plants, native gems and exciting groundcovers that do more than just take up space. Learn the best plants for our climate, including those tolerant of heat, drought and cold, as well as those suitable for high altitudes.

Landscape designer Alan Rollinger will speak on "Terrific Trees" and "Evergreens." The basis of a great garden begins with carefully planning its framework. Dominating your landscape, shade trees modify the climate of your garden and influence the placement of the rest of your plants.



*Residential landscape designed by DBG instructor Alan Rollinger*

Diane Ipsen, a landscape architect who specializes in small-scale residential design, will address placing plants in your yard for best advantage and discuss interesting and colorful smaller trees for year-round interest.

The secret to many interesting gardens isn't a green thumb, but

choosing plants especially suited to growing in your area. Panayoti Kelaidis, curator of the DBG Rock Alpine Garden, will present "Plants from Sister Climates," showcasing worthy ornamentals that originate from areas of five continents with

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## From the Executive Director

The Denver Botanic Gardens has established in only 40 years many wonderful traditions. One of those is the use of outstanding designers for its gardens. This tradition is being continued as we select the designers for the first-phase projects of the new master plan.

Environmental Planning and Design was selected last spring to design the Romantic Gardens, including the Fragrance Garden, Silver Garden and Passage Garden. As this issue of *Green Thumb News* goes to press, we have just selected Hyatt, Raines and Vitek of Boulder to Design the Children's Garden and BIOS of Seattle to design the renovated Boettcher Memorial Conservatory.

These choices continue DBG's tradition of using designers of the highest caliber, such as, in the past, S. R. DeBoer, Koichi Kawana, EDAW, Lou Hammer, Jane Silverstein Ries and Alan Rollinger. They underscore the Trustees' commitment to excellence in all we do, and will ensure that the Denver Botanic Gardens continues to be a leader in American public horticulture.

—Richard H. Daley

## Green Thumb News Number 93-2 Feb. 1993

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Accredited by the  
American Association  
of Museums

## Welcome, 4-Seasons, Botanist, Conservator Members

### Four Seasons Affiliates

Mr. & Mrs. George Anderman  
Mr. & Mrs. Rollin Barnard  
Mrs. Katherine Willard Beise  
Mr. Bruce Benson  
Mrs. Samuel Butler  
Dr. William A. Campbell  
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Mr. & Mrs. Michael Baldwin  
Mr. & Mrs. Mark Shumate  
Mr. & Mrs. Leonard Strear  
Mr. & Mrs. Duncan Tenney  
Mr. & Mrs. Herbert L. Wittow

## Tributes

### In memory of Evelyn Corp

Mr. & Mrs. Arthur W. Kidder

### In memory of Mrs. David Dunklee

Mr. & Mrs. John C. Mitchell II

### In memory of Clarence Geyer

Ms. Sara Mann Moore

### In memory of J. Ramsay Harris

Mr. & Mrs. John C. Mitchell II

### In memory of Guilford Jones Jr.

Mr. William S. Jackson Jr.

### In memory of Eddie Kawakami

Mr. & Mrs. James N. Borland

### In memory of Edward W. Linkow

Nora & Ivy Fails

### In memory of Norma Livingston

Mr. & Mrs. James N. Borland

### In memory of Margaret

"Peggy" Patrick

Mr. & Mrs. John C. Mitchell II

### In memory of Kim Sterne

Darcy Chase Sterne

Mr. & Mrs. Bruce C. Sterne

### In memory of Myrtle Summerton

Dr. & Mrs. Robert Davidson

Mr. & Mrs. Dayl Larson

Mr. & Mrs. Arthur W. Kidder

Mrs. John William Tempest

### In memory of Mrs. Joseph Yrissari

Mr. & Mrs. John C. Mitchell II



## Native Plant Society Offers Two Lectures

The Colorado Native Plant Society has announced two lectures in February to which the members of Denver Botanic Gardens are invited.

Friday, Feb. 5, in cooperation with the American Rock Garden Society and the Colorado Cactus and Succulent Society, CONPS is sponsoring a talk in DBG's Mitchell Hall on the genus *Agave* by Wendy Hodgson. Hodgson is the widely published curator of the herbarium at the Desert Botanical Garden in Phoenix. She will focus on the identification of the less than two dozen species native north of the Mexican border, but will discuss their horticulture as well.

Although Colorado has no native species of the genus (better known as century plants) several seem to be hardy here and worth considering for cultivation. *Agave utahensis* has bloomed in DBG's Rock Alpine Garden.

Friday, Feb. 26, CONPS will bring to the Gardens' Morrison Center Dr. Richard Old to discuss current methodologies for computerized identification of plants, a technology that seems destined to replace the dichotomous keys currently in use in virtually every botanical handbook. Old is a weed specialist affiliated with Washington State University in Pullman.

This is a wonderful opportunity for DBG members to become acquainted with the native plant society and sample the high quality of lectures and workshops it regularly makes available to its members.

Both February lectures are at 7:30 p.m. Call CONPS workshop coordinator Bill Jennings, 666-8348, for more information.

## Employee of the Month

Senior Secretary in the Human Resources Office, Fran Regner, was recognized as the Garden's December employee of the month. Fran's knowledge of DBG's history is astounding and invaluable, and she wholeheartedly believes in the tremendous changes that have occurred during her tenure. She began her employment at DBG in 1981 as Gloria Falkenberg's secretary in the Development Office. She transferred to Human Resources in 1991.

For many years Fran has volunteered her time, taking tickets during the concert season and helping to coordinate the cashiers during the annual Plant & Used Book Sale.

Congratulations, Fran!



*Dwarf bearded iris by DBG botanical illustration instructor Rob Proctor*

## DBG's Botanical Illustrators in Pennsylvania Show

The Pennsylvania Horticultural Society is presenting "Mountain, Prairie and Garden" a show of botanical paintings and drawings by Angela Overy and Rob Proctor Jan. 8 through March 19. They are co-directors of the Denver Botanic Gardens School of Botanical Illustration, which is accredited by the University of Colorado at Denver. The school is extremely popular and has produced many excellent botanical illustrators.

Proctor is both an illustrator and a popular instructor. His acclaimed *Antique Flowers* book series and *The Potted Bulb Indoors* and *The Potted Bulb Outdoors* reveal his skills as gardener, author and illustrator.

Angela Overy, raised and trained in England, draws the wildflowers of the foothills near her home. Her new book, *The Foliage Garden: Beauty Beyond Bloom*, will feature her illustrations.

Interestingly, the two artists met when Proctor enrolled in Overy's classes more than a decade ago. They have been "partners in grime" in many artistic, gardening and writing projects ever since.

## Summer Internship Applications Due March 1

DBG invites interested horticulture students to apply for its 10-week 1993 summer Internship in Applied Horticulture. From June 7 to Aug. 13 this internship offers college students the opportunity to work alongside the Garden's professional gardening staff, learning the daily operations of a public display garden. Field trips, special projects and lectures help to round-out the program, which highlights Front Range horticulture.

Applicants must be currently enrolled in college (including graduate work). Preference will be given to residents of or students in the states of Colorado, Montana, New Mexico, Utah and Wyoming. The program considers both traditional as well as nontraditional students, including those that are making career changes into the field of horticulture.

The program is partially underwritten by Alice Mann Owen Internships in Applied Horticulture, the Clara Van Schaak Phipps Internship in Applied Horticulture and as well as gifts from the Denver Botanic Gardens Guild, the Associates of Denver Botanic Gardens, the Denver Chapter of Gardeners of America and other associations.

Inquiries and requests for application materials should be directed to Paula Ogilvie, Adult Education Specialist, 370-8041. Application materials are due March 1, 1993.



## Benefits for Members

### Tips for Bequests

There is a new brochure available from the DBG Development Office that will give you information on the Gardens' "deferred giving plan." Whether through an outright bequest, a residuary bequest or a testamentary trust, *Making a Bequest* explains how to include Denver Botanic Gardens in your will.

A bequest to Denver Botanic Gardens is one important way you can ensure continual care, so future generations may enjoy the splendor of the Gardens and the full breadth of services it now provides. If you would like a copy of *Making a Bequest*, please phone 370-8030.

### Matinee Spins Charming Web for Members

Denver Botanic Gardens members' Matinee Day, Saturday, Feb. 6, will feature "Charlotte's Webb," E. B. White's captivating tale of a barn spider who saves a pig from the bacon house. The animated musical film shows at 2 p.m. For more information call the Membership Events Office, 370-8021.



Fall planted pansies add color to the late-winter landscape.

### Garden & Home Show Offers DBG Members Discount

Denver Botanic Gardens members are invited to use the dollar-off coupon on this page for admission to the Colorado Garden and Home Show. The 34th annual presentation of this show will be at the Colorado Convention Center Feb. 13 through 21.

Standard ticket prices are \$5.50, \$4.50 for seniors and \$2 for children 6 to 12. But DBG members can present their membership cards and receive \$1 off the price of one ticket at the door.

For information call Ellen Wiederanders, 733-3538 mornings, or 698-3200 afternoons.

### Waring, continued from page 1

The present site at 1005 York St., then a vacated cemetery, was owned by the City of Denver. Next to it was the vacant house on the corner of 9th Street. When Denver Botanic Gardens Foundation concluded a deal to develop the site, Mrs. Waring, with a resolution that was characteristic, purchased the house and presented it in memory of her husband, Dr. James J. Waring, for the organization to use as its administrative headquarters. From those beginnings she remained dedicated to Denver Botanic Gardens.

But she had always championed Colorado botany and horticulture: In 1942 she underwrote the first printing of M. Walter Pesman's *Meet the Natives*, a wildflower handbook which, now in its ninth edition, remains a best seller. Her love of literature also brought her to fund the climatically controlled rare book room, which now bears her name, in the Gardens' Helen Fowler Library.

No need at the Gardens was too large or too small for her attention. A major portion of the Gardens' greenhouse range was built through her generosity. She donated the gardeners' shelter and tool shed in the Children's Gardens, a pet project (now the Community Gardens) between York and Josephine streets. For years she bore the upkeep expenses for the house at 909 York St.

As the Gardens' staff gradually began to change from one nearly entirely composed of its founding volunteers into one of hired professionals, Mrs. Waring saw the need to maintain its sense of family and friendship. She began hosting an

annual Christmas party for staff, Trustees and other volunteers so they could remain in touch. "Mrs. Waring's Christmas Party" became a tradition, much anticipated each year. The eggnog—her recipe—is legendary.

Most of her contributions to the Gardens' developing landscape were made quietly, but in 1975 the Board of Trustees issued a resolution: "... whereas, despite her desire for anonymity, we have long wished to recognize her encouragement and accomplishments on behalf of the Denver Botanic Gardens..." that the children's garden area be known as the Ruth Waring Children's Gardens and, more significantly, that the plains garden, which she had given, be named the Laura Smith Porter Plains Garden, in honor of her mother, a pioneer who arrived by covered wagon.

A civic and social leader of influence, Mrs. Waring was an active benefactor and volunteer for many of Denver's cultural, educational and medical institutions: The Central City Opera Association, the Webb-Waring Lung Institute (founded by her husband), Porter Memorial Hospital, the Garden Club of Denver, Graland Country Day School and the Denver Symphony Orchestra.

She is survived by two daughters, Ruth P.W. Halpenny of Riverside, Calif., and Anne J. W. Maer, of Denver, an active member of Denver Botanic Gardens.

Memorial contributions may be made to Denver Botanic Gardens or to any of the other organizations which Mrs. Waring supported.





## From the Plant & Used Book Sale Chairman

When you think about it, Denver Botanic Gardens' annual Plant & Used Book Sale is really a collection of 21 of the finest specialty garden shops in the Rocky Mountain region, all located in one of the most beautiful "malls" imaginable. For three days plant lovers can wander through the DBG grounds and the education building and select from a wonderful array of flowers, books, statuary, shrubs and Mother's Day gifts.

The buyers for each "shop" begin to search up to a year in advance of the sale. They select both unusual and tried-and-true plant varieties from nurseries around the United States and Canada to please Colorado gardeners. Whether your love is bonsai or bromeliads, roses or rockery plants, you're sure to find what you want at "The Shops at the Gardens."

Visit them all when you come to the 1993 sale May 7 and 8: Annual Flowers; Baskets, Statuary and Custom Planting; Bonsai; Bromeliads; Cacti and Succulents; Donations from DBG and Members' Gardens; Fruits and Berries; Gift Shop; Herbs; Houseplants; Orchids; Patio Containers; Perennials; Rock Alpines; Roses; Summer Bulbs; Trees and Shrubs; Vegetables; Water Plants; and Xeriscape.

—Debbie Davis, Chairman  
1993 Plant & Used Book Sale

## Welcome Master Gardeners

Denver Botanic Gardens is pleased to welcome the return of the Colorado State University Cooperative Extension Master Gardener Training program. This intensive program started in January. It covers the fundamentals of gardening and is taught by CSU Cooperative Extension campus and county-based faculty holding doctorate or masters degrees.

Topics covered are plant growth, soils, planting, transplanting, pruning, plant pests, turfgrass management, houseplants, tree and shrub care, vegetable and fruit culture and other current topics in horticulture. Graduates of this program volunteer 40 hours per year answering gardening questions.

## Plants of Africa Spotlighted in February

Denver Botanic Gardens will recognize the importance of plants native to Africa with "Plants of Africa" tours during February. The tours of DBG's tropical Boettcher Memorial Conservatory will be each Sunday at 2 p.m.

Although less well-known, the plant heritage of Africa is as great as its animal heritage. The vast continent has given the world beautiful ornamentals, delicious foods and medicines. Tours will highlight such interesting plants as the bird of paradise, coffee, papyrus, pepper and the traveler's tree. There will also be information on African plants and foods in DBG's Helen Fowler Library and a small display in the lobby court.

There is no preregistration or charge for the "Plants of Africa" tours; nonmembers need pay only the regular gate fee. Groups, however, should make arrangements ahead: 370-8020.

## Shell Oil Supports DBG's CPC Program

Denver Botanic Gardens received a \$4,000 donation from Shell Oil Company, one-half of which is designated for the Center for Plant Conservation Program at the Gardens. The contribution was made in appreciation for seedlings of sand sage, *Artemisia filifolia*, grown at DBG for habitat improvement at the Rocky Mountain Arsenal, just north of Denver's Stapleton Airport.

The arsenal was built as a chemical weapons manufacturing facility during World War II. The site subsequently became the primary location for the destruction of these weapons. After the war several companies used the site to produce pesticides. Today, environmental clean-up is the arsenal's only mission.

A number of habitat types occur at the arsenal, including sand prairie and wetland. Denver Botanic Gardens plans to participate in research designed to help restore them.



## Sensory Garden Guides Lead Special Tours for Special Visitors

Denver Botanic Gardens is home to a well-kept secret: a garden grown especially to delight the senses. Its plants were chosen specifically for their heady aromas, tasty petals, vibrant colors and fuzzy, prickly, waxy, rustling, rattling and crunchy leaves, pods and seeds.

This Sensory Garden is in the Morrison Horticultural Demonstration Center (north of the main parking lot). It was designed to provide training for physical and psychological therapists, to encourage them to include horticultural activities in their programs. The garden proves that people who have lost one or more of their senses, or who are living with mental or emotional illness, can still enjoy nature.

Although the garden is open, free to the public, tours are given only by reservation in the summer months. Specially trained volunteers guide groups through the garden at no cost. The guides have been trained to be sensitive and helpful to people with disabilities and have learned about the garden's plants and DBG's history and mission.

Adults with any level of experience with plants are encouraged to volunteer to lead these sensory tours. Training begins March 2. Call 370-8020 for information.

*Training for sensory garden tour guides includes simulation of the experience of sensory deprivation.*



***Hemerocallis: Day Lilies***

Walter Erhardt. Translated from the German by Alexander Helm. Timber Press, Portland, Oregon. \$29.95. SB413 .E3 E7 1992

Most of what there is to know about daylilies is in this little book. The author reviews the conclusions of the Species Working Party of the American Hemerocallis Society and of daylily experts Dahlgren and Yeo, and offers his own system of classification and an identification key with clarifying line drawings.

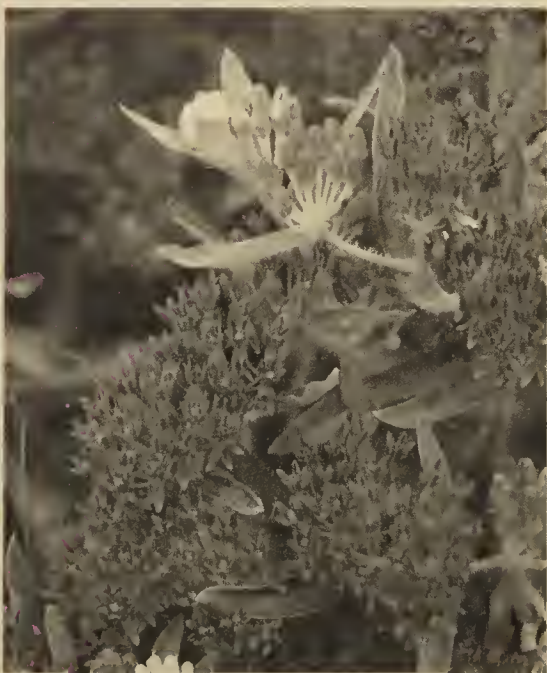
In the section on color patterning and shapes, his writing is so concise and clear that even a novice can understand his discussion of color differences. Even if you don't intend to breed your own plants, it's nice to know why those blossoms that look so bright pink in the catalog turn out either pale or orange in your garden.

The book begins with a short history that includes the early plantmen who popularized the genus. In the discussion of different species, line drawings show against a height chart. It's much easier to select the right plant when you can see its proportions and the behavior of its leaves, whether they sprawl or remain upright. The book also contains many color photographs of blossoms.

The index of species, varieties and hybrids runs to five closely printed pages, enough to give you a good idea of the many kinds of daylilies available. Four appendices list daylily societies and sources, here and abroad, first botanical descriptions and excluded names.

The author's love of his subject keeps this book highly readable throughout.

—Virginia Stratton,  
DBG library volunteer



*Asclepias tuberosa*, Butterfly weed, and *Sophora nuttalliana*, White loco, from Wildflowers of the Western Plains

***A Fountain of Gardens***

Wilma Paterson. The Overlook Press, Woodstock, N.Y. \$35. BS665 .P38 1992

The author subtitles this book *Plants and Herbs of the Bible*. She seems to have selected only those plants which have some connection with food. Most of the recipes are Western and modern rather than contemporary with the Bible. For the biblical heath, which is in fact the juniper, the author includes a recipe for a dry martini. A biblical connection is hard to make: Perhaps Judith beguiled Holofernes with a pitcher of dry martinis. Oh, well, it makes for a change.

Illustrations are from the collection of the University of Glasgow Library. According to the jacket notes, most have not been reproduced in the 20th century. Beautifully written selections from the Authorised Version of King James and quotes from Gerard, Culpeper and Mrs. Beeton contrast well with the author's more practical prose.

Unfortunately, the illustrations sometime don't match the plants, the case with broom and wormwood. Since the author compliments Dr. Robert Mill of the Royal Botanic Garden at Edinburgh on his "attention to detail," it's a pity the author herself was not more diligent. She may have avoided such oversights and a repetition of text at the top of page 49.

Paterson also advocates the use of poplar as a building material because it gives off "a good deal of smoke and no flame." Since smoke inhalation is the greatest danger to occupants of a burning building, this seems, at best, a thoughtless suggestion.

Readers who really want to learn about the plants of the Holy Land will be better off with Michael Zohar's *Plants of the Bible* or, for a broad background, Moldenke's book by the same name.

—Virginia Stratton

***Wildflowers of the Western Plains, A field guide***

Zoe Merriman Kirkpatrick, University of Texas Press, Austin. \$29.95. QK135 .K5 1992.

Most wild flower guides for our region concentrate on the rich montane and alpine flora of the Rockies. After all, this is where residents and visitors alike tend to concentrate during the short summer months. The slow appearance of the monumental *Intermountain Flora* has generated enthusiastic interest in the rich and still incompletely known flora of the Great Basin and Colorado Plateau. It is ironic that the Great Plains, where most Coloradans live, may be the least celebrated and understood floristic province in our region, by most amateur, even professional, botanists who live here.

Merriman's field guide will do much to open eyes and rectify our ignorance. I know that the first few pages of color plates pictured numerous plants I have never seen in the wild, and the uniform excellence of photography and reproduction will certainly excite anyone who loves native plants.

Let it be underscored that the contents have a strongly Southern Plains bias: easily half the plants pictured don't grow much further north than the Oklahoma Panhandle. I think it is valuable to see how quickly the principal families of our flora such as the peas and sunflowers develop unusual, almost tropical associations like *Mimosa* and *Cassia*. It is good to see important exotic weeds like *Lamium amplexicaule* and *Erodium cicutarium* included, although one might have liked to see a page or two dedicated to the grasses—the most universal, dominant and visible component of the native flora of this region.

One can quibble over a few names, or why this or that was or wasn't included—just as one can with any selective field guide. But the pictures are so splendid, the information so extensive, I know I intend to buy several copies of this for myself and to give as gifts. I hope another ten volumes will quickly follow, so the western Great Plains will finally get their due.

—Panayoti Kelaidis, Curator  
DBG Rock Alpine Garden



## Denver Foundation Supports DBG School Programs

The Denver Foundation has given the Denver Botanic Gardens a \$30,000 challenge grant to expand the Gardens' teacher education program and other undertakings for schoolchildren. The grant will help the Gardens increase school visits and enhance its educational services to classroom teachers.

DBG must now raise \$23,000 in matching funds. For information please call the Development Office, 370-8030.

**Landscape**, continued from page 1  
climates similar to ours. He will also present "Rock Garden Classics," some of best plants from the DBG's Rock Alpine Garden that can be integrated into any garden—whether a rock garden, border or container.

Angela Overy, author of *The Foliage Garden: Beauty Beyond Bloom*, to be published in March, will speak on "Fabulous Foliage" and show fascinatingly shaped, colored and textured leaves to give substance to a Colorado garden. She will also discuss "Groundcovers," debunking the myth that the plants need be boring or monotonous.

*Denver Post* columnist Lauren Springer, author of *The Undaunted Garden*, will address "Native Gems," wildflowers of our region that deserve a place in our gardens. She will also acquaint you with "Innovative Perennials, New Variations on Old Themes," some less common but beautiful low-water alternatives that lend a lovely English border style without demanding lots of water.

Fellow *Denver Post* columnist Rob Proctor, author of the *Antique Flowers* trio of books, will lecture on "Annual Additions" and how to integrate them with other plants. He will also speak on "Great Bulbs," hardy and tender beauties for every corner of your garden.

This all-star workshop is 9:30 a.m. to 3:30 p.m. in Mitchell Hall, 1005 York St. The fee is \$34 for members and \$39 for nonmembers, including lunch. To register please call the Education Office, 370-8020.

# Springtime in Maryland

## April 28-May 2

Join your fellow DBG members for a spring visit to glorious gardens and historic sites in one of America's oldest and most fascinating areas.

Itinerary highlights include:

- ☛ 4 nights at the deluxe Hyatt Regency Baltimore on the Inner Harbour
- ☛ Welcome dinner and wine, featuring a local speaker
- ☛ Ladew Topiary Gardens
- ☛ Tickets for the blockbuster Alfred Sisley exhibit, followed by a gourmet dinner with wine, at the Walters Art Gallery
- ☛ The renowned Maryland House and Garden Pilgrimage Tour in Anne Arundel and Harford Counties
- ☛ Sherwood Gardens
- ☛ Hampton National Historic Site and Gardens in Towsen
- ☛ A day on the Eastern Shore with a ferry ride, the Chesapeake Bay Maritime Museum, time to explore the fascinating village of St. Michaels and lunch at the Crab Claw Restaurant
- ☛ A day in historic Annapolis, including the U.S. Naval Academy, the William Paca and Hammond-Harwood houses and gardens, London Town Publik House and Garden and many private gardens
- ☛ Coffee and pastry at the famous Robert Morris Inn in Oxford
- ☛ Deluxe motor coach transportation, all admissions and bag handling
- ☛ Fully escorted throughout
- ☛ Luncheon daily, plus 4 dinners
- ☛ A pre-departure party, and much more

Space will be limited to 24 persons. Cost is \$890 for land arrangements based on double occupancy (\$245 single supplement); guaranteed group airfare is \$385; a \$250 deposit, fully refundable up to March 25, will secure your reservation. For more information call Barbara Baldwin at 778-7292.

Please reserve \_\_\_\_\_ places for the Springtime in Maryland Tour, April 28 to May 2. A deposit check for \_\_\_\_\_ (\$250 per person) is enclosed.

Name \_\_\_\_\_

Member I.D. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Work phone \_\_\_\_\_ Home Phone \_\_\_\_\_

Spouse or roommate's name \_\_\_\_\_

Single room \_\_\_\_\_ yes \_\_\_\_\_ no I prefer \_\_\_\_\_ aisle or \_\_\_\_\_ window seat.

Credit card # (for air fare only) \_\_\_\_\_ AX \_\_\_\_\_ MC \_\_\_\_\_ VISA

\_\_\_\_\_ Exp. date \_\_\_\_\_

United Airlines Mileage Plus number \_\_\_\_\_

Cost of tour: Land arrangements based on double occupancy, \$890 (single supplement \$245) includes a tax-deductible donation of \$50 to Denver Botanic Gardens; guaranteed group air fare is \$385.

Final payment due March 25, 1993. Please make check payable to Denver Botanic Gardens, Attn: Barbara Baldwin, 909 York St., Denver, CO 80206.



Denver Botanic Gardens, Inc.

909 York Street

Denver, Colorado 80206

303-331-4000 • 370-8032 TDD

Address correction requested

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# FEBRUARY

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the winter *Education Programs* quarterly, or call 370-8020.

### February

- 1 \* *Landscaping for Birds & Wildlife*
- 2 \* *Beginning Botanical Watercolors & Acrylics*  
\* *Low-Water Plants for Beautiful Gardens*
- 3 \* *Winter Tree Identification*
- 4 *Forcing Spring Branches I*
- 6 ☼ \* *Beginning Beekeeping*  
*Forcing Spring Branches II*
- 7 \* *Papermaking with Iris Leaves*
- 9 \* *Landscape Plants for Professionals: Part I*
- 11 ☼ \* *Beginning Watercolor Painting—An Introduction to Landscapes*  
\* *Intermediate Bonsai: A Maple Grove*  
\* *Modern Landscape & Garden Design Since 1850*
- 12 Friday Night at the Bijou
- 13 Sweetheart Ball

- 13 *Behind-the-Scenes Greenhouse Tours II*  
\* *Propagation Workshop*
- 15 *The ABCs of Pruning*  
\* *Melon Basket*
- 17 \* *Watercolor Painting, III*  
\* *Watercolor Painting, IV*
- 20 *Plants in the Landscape: Elements of Design*
- 24 *Designing Your Herb Garden*
- 27 *Close-up Flower Photography*  
\* *The Basics of Organic Gardening*  
*The Language of Plants*
- 28 *Growing Plants Under Lights*  
*Herbed Winter Soups*

### March

- 2 \* *Guide Training*
- 3 \* *Never-Fail Perennials*

## Enjoy a Romantic Valentine's Weekend at the Gardens



II Hall will be transformed into a ballroom from the past, complete with linen covered cocktail tables. But most of the time you will be out on the dance floor cutting the rug to your favorite big band and swing tunes—no disk jockey spinning records, but an authentic big band. Dance cards will be ready for the ladies.

A Valentine get-away will be awarded during the dance for a weekend for two at Onaledge, a Victorian bed and breakfast nestled at the base of Pike's Peak and a \$25 gift certificate toward dinner at the neighboring Craftwood Inn. Refreshments, including a cash bar, will be available. Admission to the dance is \$20 per person. Reservations, by Feb. 5, are necessary.

Friday night, Feb. 12, the Gardens will present an old-fashioned night at the movies, complete with ushers and a concession, for only \$2 per person. "Friday Night at the Bijou" will be a classic in the true sense of the word—Humphrey Bogart, maybe Olivier—you won't be disappointed.

On Saturday and Sunday the Gardens' Education Department will present a "make it and take it" workshop with a Valentine theme for members of the whole family.

To make reservations for the Sweetheart Ball send your check to the Special Events Office, 909 York Street. Ticket information: 370-8015.

## DBG, DAM Present 'Flowers and Art'

In April the Denver Botanic Gardens and the Denver Art Museum will collaborate to showcase floral design interpretations of approximately 60 pieces in the art museum's collection. Local designers will provide interpretations, and featured designer will be Chris Giftos, floral designer of the Metropolitan Museum of Art in New York, whose fascinating presentation opened DBG's 1989 Bonfils-Stanton Lecture Series.

The four-day "Flowers and Art" fund-raising event, April 22 to 25, will include a display of art and arrangements at the museum; a cocktail preview reception with participating floral designers, including Giftos, April 22; a luncheon lecture and auction April 23; and a brunch and hands-on design tutorial April 24.

For more information or tickets call 370-8030.



## Flowers & Art Schedule

**April 22 • 5:30 p.m.**  
Preview Reception  
Denver Art Museum

**April 23 • Noon**  
Luncheon Lecture  
Denver Botanic Gardens

**April 24 • 9:30 a.m.**  
Floral Design Tutorial  
Denver Botanic Gardens

**April 23-25 • 10 a.m.-5 p.m.**  
(12-5 p.m. Sunday)  
Flowers & Art Exhibit  
Denver Art Museum



# Green Thumb



# NEWS

**Denver Botanic Gardens**  
**March 1993**  
**Number 93-3**

## Designer Giftos To Headline 'Flowers and Art' for DAM & DBG

Guests at the April 22 preview party for "Flowers and Art" will have the opportunity to chat with Chris Giftos, the floral designer of the Metropolitan Museum of Art in New York. He and other participating designers will be at the reception to discuss their works. Giftos, as entertaining as he is talented, also will be a luncheon lecturer the day after the party and will give lessons in flower arranging at the Gardens Saturday, April 24.

"Flowers and Art," the collaborative fundraiser of DBG and the Denver Art Museum, will showcase the floral interpretation by local designers of approximately 60 pieces in the art museum's collection. They will be displayed Friday, April 23, through Sunday, April 25, at the Denver Art Museum in Civic Center.

The preview cocktail party will include a tour of the museum. The party begins at 5:30 p.m. Reservations are \$60 per person.

The gourmet picnic luncheon featuring a demonstration by Giftos will be at DBG Friday, April 23, at noon. Reservations are \$40; seating is limited. Several arrangements by Giftos will be auctioned.



### Inside:

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Director  
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Symposium  
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Giftos' floral design tutorial Saturday, April 24, will be at the Gardens at 9:30 a.m. The fee is \$75.

For more information or reservations to "Flowers and Art" activities call Ann at 640-5626.



## From the Executive Director

"Biodiversity" became a household word in 1992 during the Rio Earth Summit. Biodiversity is a broad and complex concept, but generally refers to the preservation of the broad range of plants and animals that occupy an area.

The focus of the Denver Botanic Gardens has been the understanding and preservation of the gene pools of our most endangered plants in the Rocky Mountains. We do some of the work through field studies and some through cold storage of seeds and through propagation. For those already endangered species, this kind of work is regrettably important.

But only a tiny fraction of our plants can be protected this way. The best way is through preservation of tracts of wilderness. If we have any obligation to future generations, then surely one of these is the protection of plants and animals that represent two billion years of evolution. We must make every effort to do this in our own backyard as well as in the tropics, the center of the world's biological diversity.

The Compromise Wilderness Bill reintroduced in Congress would provide some protection for an additional 766,000 acres of Colorado land. Despite flaws that every interest group can point to, it is a sound bill and deserves support and passage as another step in passing along our biological heritage to our children.

—Richard H. Daley

## Tributes

### In honor of

**Mr. & Mrs. Leon Goldberg**  
Mr. & Mrs. William H. McCarthy

### In honor of Ann Von de Ahe

Mr. & Mrs. William R. Hudon

### In memory of Barbara Brickley

Ms. Virginia L. Wielgot

### In memory of Linda Campbell

Ms. Cindy Otte

### In memory of David Evans

Friends & co-workers at  
Rentokil Tropical Plants  
Mrs. Sidney C. Gray

### In memory of Gloria Falkenberg

Ms. Melanie Grant

### In memory of Bertha Gates

Mr. & Mrs. Charles C. Gates

### In memory of the father of

**Lee Anne Ammons**  
Mr. & Mrs. Jay Markson

### In memory of

**Clinton Kenneth MacTaggart**  
Mr. & Mrs. Lloyd Steinmann

### In memory of Joseph C. Park

Ms. Sara Mann Moore

### In memory of Dan Miller

Mr. & Mrs. Jay Markson

### In memory of

**Judge Harry S. Silverstein**  
Mr. & Mrs. Barkley Clanahan

### In memory of Myrtle Summerton

Mr. & Mrs. Neil McLagan  
Mrs. George B. Packard

### In memory of Katherine F. Van Hee

Mr. Eaton Smith

### In memory of Peter J. Walsh

Mr. & Mrs. James R. Florey

### In memory of Dortha Zybach

Mr. & Mrs. Charles C. Gates

### In memory of Ruth Porter Waring

Mr. & Mrs. David M. Abbott  
Dr. William A. Campbell  
Mr. & Mrs. George Canon  
Mr. & Mrs. R. L. Deane  
Mr. John Falkenberg  
Garden Club of Denver  
Mrs. Helen Grant  
Mr. William H. Halpenny  
Mrs. Ellen G. Harris  
Mr. & Mrs. Harley Higbie  
Carroll Shea Jersin  
Mr. & Mrs. Herbert I. Jones  
Mr. & Mrs. Stephen Knight Jr.  
Mr. & Mrs. Robert M. Kosanke  
Mrs. Anne Waring Lane  
Mr. Ranald MacDonald  
Ms. Diana Mitcheltree  
Mr. & Mrs. John Mulhauser  
Mr. & Mrs. Allan Phipps  
Mrs. Caroline B. Rickenbaugh  
Mr. C. W. Robinson Jr.  
Ms. Catherine Tracy Russell  
Mr. Frank Shafroth  
Dr. & Mrs. Moras Shubert  
Mr. & Mrs. Benjamin Stapleton  
Mr. & Mrs. Paul Ton  
Ms. Margaret Wallace  
Dr. & Dr. William Waring  
Mr. & Mrs. John G. Welles  
Mr. & Mrs. Edward White III  
Mr. & Mrs. Charles Wilkins  
Mrs. Ethel B. Wilson

*The following was one of Mrs. Waring's favorite poems. Her grandson, Edward D. White, and the editor are pleased to share it with our members.*

The kiss of the sun for pardon,  
The song of the birds for mirth,  
One is nearer God's heart in a  
garden  
Than anywhere else on earth.

## Bonfils-Stanton Funds '93 Lecture Series

The Bonfils-Stanton Foundation has continued for 1993 its underwriting of DBG's major annual lecture series. The DBG's Bonfils-Stanton Lecture Series brings to Denver outstanding speakers from around the world in the fields of horticulture, botany, the environment and floral design.

Although speakers have not been arranged, please mark these Wednesdays on your calendar: April 14, May 12, June 9, Sept. 8, Oct. 13 and Nov. 10. Lectures will be both at 10 a.m. and 7 p.m. each date.

Members will soon receive a descriptive brochure with instructions for ordering tickets. For more information call the Education Office, 370-8020.

## Employee of the Month

We begin the new year by honoring another unsung hero of Denver Botanic Gardens, Candice Snow, Senior Secretary in Administration. An employee since January 1990, Candice takes minutes at the various board meetings and assists with myriad tasks in her busy department.

Her positive attitude and ever-present smile seem to uplift the spirits of all she comes in contact with. We're lucky to have her on the DBG team.

Congratulations, Candice, January employee of the month.

## Green Thumb News Number 93-3 March 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for May issue: March 19

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Board Elects Koeppe President, Appoints Three At January Meeting; Five Bow Out

The Denver Botanic Gardens Board of Trustees elected Richard P. Koeppe, Ph.D., president, and appointed three new members to three-year terms at its January meeting.

Koeppe, an educator and former president of the Denver and Cherry Creek public school systems, has been a member of the board since 1990. His presidential term is for one year. Koeppe succeeds Newell Grant, who has been president since 1991.

New trustees are Bruce D. Benson, president of a petroleum production company; John Proffitt, television executive; and Ben D. Trevor, investment consultant.

Benson is owner and president of Benson Mineral Group, Inc., an oil and gas production company with its primary operations in the mid-continent. He is on the boards of several banking and investment corporations, including BankWestern and Western Capital Investment Corporation, and of University of Colorado Foundation, National Council on the Humanities, National Academy of Sciences and the Institute of Medicine, Colorado Association of Commerce and Industry, and Boy Scouts of America.

Proffitt is vice president and general manager of KMGH-TV, Channel 7. Prior to his appointment a year ago, he held a similar position in Indianapolis and previous other positions for McGraw-Hill, owner of KMGH. He has won numerous broadcasting awards, including two Ohio State Awards for outstanding television documentaries and a prestigious Peabody Award. Proffitt serves on the boards of American Red Cross, Boy Scouts of America, The Greater Denver Chamber of Commerce, National Jewish Hospital and the National Conference of Christians and Jews.

Trevor is vice president/financial consultant of Merrill Lynch, Pierce, Fenner & Smith. He is on the boards

of Porter Memorial Hospital and Medical Care and Research Foundation and a past president of University of Colorado Athletic Foundation. He is a patron of Denver Art Museum and an active member of Denver Botanic Gardens, Denver Country Club and Denver Athletic Club.

Five trustees left the board: Peter H. Blair, Lisa (Mrs. George) Ireland, Avalonne (Mrs. Robert) Kosanke, Mary (Mrs. Theodore B.) Washburne and Ellen K. Waterman. Blair had served on board committees for finance and administration and for planning, Ireland on committees for development and for resource allocation, Kosanke on the committee for membership, Washburne on committees for Chatfield Arboretum, for education and for planning, and Waterman on the committee for education and public programs.

The complete slate of Denver Botanic Gardens officers elected in January are Richard P. Koeppe, president; June (Mrs. Charles C.) Gates and Gordon D. Koon, vice presidents; Sharon (Mrs. J. Landis) Martin, vice president and assistant secretary; William T. Carman, treasurer; Newell M. Grant, assistant treasurer; and D. Deane Hall Jr., secretary.

## New Cashier Windows, Staff Offices Open

Members will notice new cashier windows at the York Street entrance when next they visit. The cashier quarters, which visitors now encounter before they enter the front gate, debuted in January and double the Gardens' ticketing capability. In fact, tickets for concerts and other special events will soon be sold at this more accessible, convenient location. An after-hours library book drop is included in the facility.

Less visible, but very important to the productivity of the Gardens' growing staff, is an office building constructed on the north side of the conservatory. It houses managers and other staff members of the education, horticulture and operations departments. Its occupation has allowed the Gardens' Human Resources Department (personnel) to return to 909 York St. from their offices east of Cherry Creek Shopping Center, placing all DBG administrative functions at the York Street gardens again.

Construction of the cashier quarters and the office building was made possible by funds of the Denver Botanic Gardens Foundation, Inc.



*Left, 'Flowers and Art' will present floral interpretations of artworks.*

## Chatfield Opens For '93 Season

DBG's Chatfield Arboretum opens to the public for the '93 season Thursday, April 1 through Sunday, Oct. 31. Hours are 8 a.m. to 5 p.m. Tuesday through Sunday.

Picnic tables are available on a first come, first served basis. The gazebo, meeting rooms and other facilities may be reserved by calling 973-3705.



## 4 Spring Home Show Opening Is 'DBG Night'



Scene from 1992  
Spring Home &  
Patio Show

The March 17 opening of the fifth annual Spring Home & Patio Show at the National Western Complex has been designated "Denver Botanic Gardens Night." Members will receive two-for-one admission from 5 to 9:30 p.m. when they show their DBG membership card or this *Green Thumb News* that evening at the door. In addition, Executive Director Richard H. Daley will make a guest appearance.

The Spring Home & Patio show is the region's premier display of home, garden and patio ideas and exhibits. Seven pavilions will feature the latest in home products and services. The show will also have the area's largest livable patio and garden display, designed and constructed by the Associated Landscape Contractors of Colorado. It runs through March 21.

Standard adult admission is \$6. The National Western Complex is located at I-70 and Brighton Boulevard. For details call 892-6800.

### 'Volunteers' Make DBG Magic Day a Success

"Magical Moments," DBG's special day of magic and illusion in January for families and children, drew nearly 800 people to the Gardens. It was made possible by McDonalds Restaurant at Colfax and Pennsylvania, which not only provided all refreshments but volunteered Ronald McDonald and his magic show.

Another popular volunteer was Denver Public Library's Mr. Bookworm, who stimulated imaginations with his readings. Face painters from Kent Denver School, hostesses Lois Seymoor and Karey LaCasse and video reporter Lou Wilson also volunteered their time to help make this event a success.

### Fascinating Fungi Topic of Talk

DBG members are invited by the Colorado Mycological Society and the Colorado Native Plant Society to a fascinating free lecture on mycorrhizal fungi 7:30 p.m. Monday, March 1.

Fungi rarely catch the interest of the general public, but recently it was proclaimed, to the delight of the media, that the largest single organism on earth was not a whale or a redwood tree, but a lowly—in fact, underground—fungus. The fame was short-lived; other scientists quickly proposed an aspen grove in Colorado as being the largest.

Although the lecture by Dr. Brent Reeves of Colorado State University will not address this competition, it will reveal interesting facets of the relationship between green plants and the species of fungi which interact with them through their roots. It is estimated that at least 95 percent of all green plants, especially woody ones, could not survive without their fungal partners.

For more information call CMS education chair Marilyn Shaw, 377-1278.

### Arbor Day at Chatfield Offers Free Trees

Denver Botanic Gardens will celebrate Arbor Day at Chatfield Arboretum Saturday, April 17, by offering free tree saplings, tree care information and family activities. Other organizations, including Denver Urban Forest, will participate.

Look for more information in the April *Green Thumb News*.

## Free Days Around Town

Major institutions of the Scientific & Cultural Facilities District have announced their free days for the year. A small brochure listing the dates is available at Denver Botanic Gardens, Denver Art Museum, Denver Zoo and Denver Museum of Natural History.

The free days are made possible by funds from the Scientific & Cultural Facilities District of which the four institutions are Tier 1 members.

For your free brochure, drop by one of the institutions and ask.

Free days coming up in March: DBG, Saturday, Mar. 6; DAM, every Saturday; and DZ, Tuesday, Mar. 16.

## Benefits for Members

### Matinee: *FernGully ... The Last Rainforest*

Inspired by the mystery of the rainforest, this enchanting animated fairy tale interweaves fantasy, magic and reality to bring viewers a serious ecological message. It's the moving story of the forest's fragile inhabitants, who are endangered by the forces of destruction and ignorance. Rated G. 76 minutes.

### First Greenhouse Tour

Members at the Arbor Circle, Botanist Club or Conservator's Society levels, please watch your mail for an invitation to our first behind-the-scenes tour of DBG's production greenhouses Wednesday evening March 10. This free benefit is for two adults and up to four children per upper level membership. Reservations are required.

Similar tours will be scheduled throughout the year.

### Lose Your Card?

Please don't wash your DBG membership card in your jeans pocket! Due to administrative and printing costs, the DBG Membership Office must implement a \$5 replacement fee for lost cards.

Please call 370-8188 for assistance if you need to replace your membership card.

### Membership Information

For information about your membership in the Gardens, please call 370-8029.



## Pre-Sale Party Gives Pick of the Best

The annual Plant & Used Books Sale is set for May 7 and 8. But Thursday, May 6, is the date to mark on your calendar if you want to have the first pick. "The Flowering of Denver" pre-sale party is an evening of shopping, flowers, food, fun and friends, and offers the opportunity to shop early, the day before the sale opens to the public.

Among the hundreds of thousands of plants in abundance at the pre-sale party—literally, hundreds of thousands—you will find these All America Selections Winners this year: 'Husky Gold' tomato, 'Baby Bear' pumpkin, 'Imagination' verbena and 'Mont Blanc' nierembergia. Also, look for orchids developed for home growers and fragrant houseplants. They will never be more plentiful.

Artist Kin Mackey will also be at "Flowering of Denver" to autograph copies of the 1993 Denver Botanic Gardens Plant & Used Book Sale Poster. This is your chance to meet the artist whose striking oil painting, "Planting Waterlilies," was chosen from among over 180 entries in the poster contest. Previous posters have become collector pieces; this one is sure to join their ranks. The original will be on display the evening of May 6, and you may become its owner by buying a raffle ticket from the Garden Club of Denver.

"Flowering of Denver" chairman Sandra Wilbanks and co-chairman Rosella Louis are planning other enticements for party-goers. Look for the exciting details and your personal invitation in the April *GTN*.

—Debbie Davis, Chairman  
1993 Plant & Used Book Sale

## Needed: Used Books & Other Salables

DBG's Helen Fowler Library needs used books on all subjects, videocassettes, postage stamps, music records, magazines and sheet music to sell at the Plant & Used Book Sale later this spring. Proceeds will be used solely to buy new books for the botanical and horticultural collections in its Helen Fowler Library at 1005 York St.

To make arrangements for donations, call 370-8014.

## Chatfield Volunteers Receive Awards

About 50 Chatfield Arboretum volunteers, staff members and their families were present at the annual Chatfield potluck supper in January for the presentation of outstanding volunteer service awards.

The Silver Beaver award was given to naturalist Marge Melle for the many hours she has devoted to the Arboretum's naturalist guide program. The Great Horned Owl award was presented to the Hoffman family of volunteers—Bob, Fran, Jennifer and Mike—for the many volunteer jobs they have taken on at the arboretum. Bob Vick, the "Sunday morning greeter," won the newly created Old Schoolhouse Hospitality Award.

Ann Bonnell, top-flight birder and all-around volunteer, received the



Wayne G. Christian Service Award for her ongoing attentiveness to the Chatfield Green project.

The awards were presented by Trustee Mary Washburne, who headed the Chatfield committee.

Mike, Bob, Fran and Jennifer Hoffman and their Great Horned Owl award

## Kim Mackey Oil Chosen for 1993 Fine Art Poster



1993 Plant and Used Book Sale co-chair Carol Schutz, DBG executive director Richard H. Daley, artist Kim Mackey and sale chair Debbie Davis pose with the winning painting of the 1993 DBG fine art poster.

Denver Botanic Gardens announced that the winner of its 1993 fine art poster contest is an oil painting, "Planting Waterlilies," by artist Kim Mackey. The image will be used for the poster of the Gardens' 1993 Plant & Used Book Sale. Mackey was awarded \$1,500 for the painting and for all reproduction rights.

Of over 180 works entered in the competition that ended Dec. 31, Mackey's and 40 others will be exhibited at Savageau Gallery, 2320 E. Colfax Ave., Denver, April 30 through May 5, when the runners-up will be for sale. Mackey's winning painting will be raffled off during the Plant &

Used Book Sale for the benefit of the Gardens. Signed posters will be sold at a pre-sale party May 6, and unsigned posters will be sold at the Gardens beginning May 7.

Mackey was born and raised in Pueblo, Colorado. A Parker resident, he maintains his studio in Denver. His work is shown in Denver's Turner Gallery, Georgetown's Saxon Mountain Gallery and in galleries in Scottsdale, Arizona, and Taos, New Mexico. His paintings reflect a wide range of subjects, including figures, landscapes and still-lives.

For more information call 370-8015.



## 6 Minor Bulbs Provide Major Antidote to Winter

A long, cold Colorado winter turns most everyone into a gardener. By March, most of us are sick of bleached brown grass, tired evergreens and deciduous branches. Veteran Coloradans usually plan spring break trips to New Orleans or San Francisco, but gardeners know that the most inexpensive and effective antidotes to winter are the minor bulbs.

Snowdrops, crocuses and the tiny bulbous irises can actually bloom as early as January in mild years or in the warmest microclimates. In the DBG Rock Alpine Garden we usually have the prismatic blue reticulated iris (*Iris reticulata*) blooming in early February.

I have always preferred the tiny wild crocuses, particularly *Crocus chrysanthus* that produce so many flowers from every clump. These hold up to our frequent late winter snows better than the fat Dutch hybrids, and usually bloom several weeks earlier. They definitely reward close inspection, since their segments are often finely feathered with different shades of color, and there is an intricate pattern of color inside the flower as well. They open widest on hot days, and practically glow in the sun. On cold or cloudy days the flowers are tightly—or mostly—closed, allowing you to admire their fluted shape. 'Gypsy Girl' is a particularly appealing combination of yellow-gold with brown external striping. 'Lady Killer' has a dramatic two-tone effect: white inside and dark bluish black on the outside segments.

The various reticulated irises overlap in season with crocuses. Mrs. Danford's yellow iris, *Iris danfordiae*, is usually first to blossom, and the chubby but pert flowers have a pleasing, strong musky fragrance. This plant is notoriously short-lived in the garden: the bulbs split into tiny bulblets that sometimes don't seem to have the will to wax and bloom again. I always plant out my stored pots of this even if the bulbs are so inexpensive that you could discard them and not feel guilty. By the way, the cultivated clone of this fetching iris is a sterile triploid: all the millions of plants of this grown and sold every year trace their ancestry to a single plant in nature—a powerful example of the power of horticultural propagation.

*Iris histrioides* follows quickly in February—a husky dwarf with sapphire blue flowers up to 4 inches across.

The leaves of this species barely show up at flowering time, and the huge blue flowers look surrealistic on



the ground. This has been hybridized repeatedly with the more slender *Iris reticulata* producing sterile progeny that have a very wide tolerance of garden conditions. I have seen clones such as 'Harmony', 'Joyce' or 'George' growing healthily in rich loam, clay soils or almost pure sand. They do well in sun or part shade. Eventually they form congested clumps that are subject to fungal attack. I recommend dividing the clumps every five years. It can be done just as the plants finish blooming, or mark their spot and do it in late summer.

True *Iris reticulata* comes in the full range of the blue spectrum from the icy, aquamarine of 'Clairette' or 'Cantab' to deep violet-purples.

Spring in the Rock Alpine Garden can be said to have officially arrived when several hundred 'Red Emperor' tulips bloom in raucous unison in the central meadow of the garden. In the Alpine House we concentrate on more delicate species such as the golden Himalayan tulip, *Tulipa chrysantha*. This has bright red stripes on the outside of the segments, but on warm days the flowers open wide revealing their brassy yellow hearts.

*Tulipa linifolia* is a perennial favorite. It has sinuous, narrow gray leaves and trim six-petaled stars of emphatic scarlet.

The various species of *Narcissus* generally need cooler, moister conditions in Colorado gardens than other bulbs. Two daffodils I never want to be without are the short, squat 'Tete a tete' and 'Hawera'. 'Tete a tete' naturalizes beautifully in cool or shady spots outdoors, but rewards you when you look up close as well. If you can imagine a garden narcissus reduced to a quarter of its size, you have a good idea of what this one looks like.

*Narcissus 'Hawera'* is a hybrid produced in New Zealand that has much narrower leaves and wiry stems 10 inches to a foot tall that dangle large clusters of moonlight-yellow bells. This is one of the most easily forced bulbs I have ever grown.

Even if you don't have a garden, you can still grow hardy bulbs in containers: All the bulbs used in our spring display were potted up in October (with a little extra bone meal at the bottom) and placed in cold frames for the coldest months. I know other bulb enthusiasts who bury their vernalizing bulbs under thick mounds of leaves out-of-doors. They put their plants in refrigerators, or even in an unheated garage for the two or three months they need in order to emerge and bloom well in the spring. Don't discard the plants once you've enjoyed them in your home: give them to a friend to plant out once it warms up a bit—they usually settle down to life in the garden without a hitch.

Come to Denver Botanic Gardens frequently in the spring, notebook in hand, and write the names of your favorite varieties. Think of ways and places they will fit into your own garden schemes. The first bulb catalogs come out soon, and the first people to order are most likely to get everything they request. Before you know it it will be September when the bins of local nurseries are filled with plump bulbs and corms at ridiculously cheap prices.

Don't forget, the best way to jump-start spring is with a multitude of little bulbs.

—Panayoti Kelaidis, curator,  
DBG Rock Alpine Garden

*Tulipa linifolia*





## TCI Presents 'Hearts & Flowers'

TCI (Tele-Communications, Inc.) was the title sponsor of the Gardens' Valentine's Day weekend event "Hearts & Flowers."

Though the Englewood-based company's beginning in 1952 was modest, TCI has grown into the nation's largest cable television operator and a leader in the delivery of entertainment and information services. TCI serves 10 million customers in 49 states, Puerto Rico and the District of Columbia. With 22,000 employees nationwide, TCI is "taking television into tomorrow."

"The Gardens wishes to thank TCI for its support in helping provide a unique and fun event," said Richard H. Daley, Executive Director.

"And we would also like to thank our other sponsors for their generous in-kind support, including KVOD, Blue Mountain Arts, The Briarwood Inn, Colorado Historical Society, Garden Club of Denver, The Craftsman Inn, Onaledge Bed & Breakfast, Ritz-Carlton Hotel Aspen, Veldkamp's, and Whitman's Chocolates," he said.

## Orchid Society To Show Spring Bloomers

The Denver Orchid Society will exhibit its members' spring blooming orchids at the Gardens March 13 and 14. The show will be open to the public 10 a.m. to 4:45 p.m. Saturday and 9 a.m. to 4:45 p.m. Sunday.

Besides the tabletop displays of species and hybrids, a special exhibit will feature plants of the pleurothalid group of orchids—most of which are very small plants with tiny, interesting flowers. Members of the society will be in attendance to answer orchid related questions and show a videotape on orchid culture. Commercial growers will offer plants for sale.

For more information call 936-5508.

## African Violets on Sale

The Rocky Mountain African Violet Council will present its 31st annual spring show and sale at the Gardens Saturday afternoon and Sunday, March 27 and 28. Hours are 1 to 4:30 p.m. Saturday and 10 a.m. to 4 p.m. Sunday.

For more information call Janice Sorensen, 220-8799.

## DBG Debuts 'Great Gardening Guides'

In an era of increasing concern for their environment, people in the West are looking for lifestyle choices that will improve their natural world and home surroundings. DBG has responded to this concern with a new series of "environmentally friendly" brochures for homeowners and gardeners.

DBG's "Great Gardening Guides" debuted in February with five colorful 16-page pamphlets: Composting, Container Gardening, Perennials, Water-Smart Gardening™ and Environmentally Friendly Gardening. "Water-Smart Gardening" is a registered trademark of Denver Botanic Gardens.

Availability of the brochures is being publicized as a public service by Colorado radio, television and cable outlets. The high-quality video and audio announcements were produced by Denver Center Media and feature professional actors. They will be aired through November 1993.

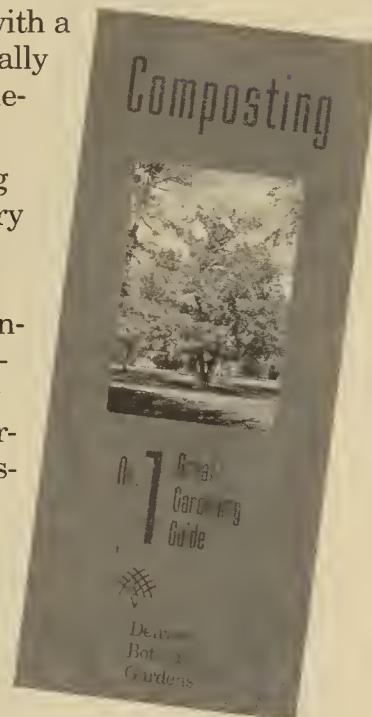
The guides are free but available only by telephone order: 1-800-944-8066. Produced by the communication and publications section of the Gardens' Marketing and Special Events Department, the guides are expected to attract new members and prospects for new support for Denver Botanic Gardens and its programs, as well as popularize sound gardening practices among novice gardeners of the region.

## Garner Attractions Shares 'Secret'

Robert Garner Center Attractions is offering DBG members priority purchase of the limited number of tickets available to the Tony Award-winning musical, *The Secret Garden*. The Broadway show—with lush settings, memorable music and a classic story—comes to the Buell Theater June 15 to 20.

Public ticket sales begin May 7, but members may purchase tickets starting April 1.

For your advance tickets call 893-4100 and give the ticket clerk your DBG membership number. More information will be available in the April GTN.



*Fiery yellow-orange botanical tulips, lemon yellow 'Jack Snipe' narcissus and purple crocuses bring a burst of color to the hibernating landscape.*





Denver Botanic Gardens, Inc.  
909 York Street  
Denver, Colorado 80206  
303-331-4000 • 370-8032 TDD

Address correction requested

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# MARCH

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the winter *Education Programs* quarterly, or call 370-8020.

### March

- 2 \* *Guide Training*
- 3 \* *Never-Fail Perennials*
- 4 \* *Intermediate-Advanced Bonsai: On the Rocks*
- 6 DBG Free Day
  - ☼ *The ABCs of Pruning*
- 8 \* *Drawing from Nature: Mixed Media*
- 13 *Natural Fiber Basketry*
  - ☼ \* *Nature Photography*
  - How to Train Your Grapevine*
- 13, 14 Spring Orchid Show & Sale
- 14 Behind-the-Scenes Greenhouse Tour
- 16 \* *The Water-Wise Flower Garden*
- 17 \* *Natural Style Flower Arranging*
- 18 *Cacti & Other Succulents for Beginners*
- 20, 21 Cactus & Succulent Show & Sale

- 23 \* *Botanical Illustration V, Mixed Media*
- 24 \* *Natural Gardening*
- 27 *Classic French Omelette with African Herbs*  
*Identification of Colorado Conifers*
- 27, 28 African Violet Show & Sale
- 28 *Fresh Vegetable Pastas with Herb Sauces*
- 30 ☼ \* *Chatfield Arboretum Naturalist Guide*  
*Training*

### April

- 1 Chatfield Arboretum opens  
*Bonsai Workshop*  
\* *Outdoor Tour Guide Training*
- 3 Rose Symposium  
Chatfield Arboretum Free Day  
*The Aquatic Garden: Basic Pool Construction*  
*Bark Basket*

## Rose Symposium Will Answer Local Growers' Questions

Rose 'Amber Queen'



The Denver Rose Society will hold its 22nd annual rose symposium Saturday, April 3, in DBG's John C. Mitchell II Hall, 1005 York St. From 9:30 a.m. until early afternoon speakers will address all the major basics of rose culture in this region.

There will be ample time to get answers to your particular questions from the rose experts in attendance, and numerous handouts written for amateur "high country" rose growers.

In addition, rose gardening items will be for sale, including the Denver Rose Society's own fertilizer, formulated particularly for roses and especially for the Rocky Mountains and High Plains. All possible components of the fertilizer are derived from natural sources and it has passed the judgement of state agencies, Colorado State University and many regional rose growers.

For more details call 424-3942.







## Family Arbor Day Activities Planned at Chatfield April 17

Denver Botanic Gardens and Denver Urban Forest will join to hold a day of fun and educational tree-related activities at Chatfield Arboretum Saturday, April 17, to commemorate Arbor Day. If you are concerned about conserving our environment, especially our urban forest, you will want to take part in the event, "Trees for Today and Tomorrow." Families with children, especially, will find a host of interesting things to do and see. Hours are 10 a.m. to 4 p.m.

The Arboretum's staff will hold a native tree and plant sale, give pruning demonstrations, supervise tree planting at the Deer Creek School and show how to make willow furniture. The DBG Education Department staff will host a seedling giveaway, a composting demonstration and children's activities.

Denver Urban Forest, an organization dedicated to planting, preserving and expanding the use of trees in the metropolitan area, will sponsor several activities, including an appearance by nationally known conservation storyteller Larry "Rattlesnake" Helbert, accompanied by his muskrat and mule. Members of DUF will provide demonstrations of large tree moving and other landscaping equipment. They will also be taking orders for street and yard trees, the proceeds of which will go to support Denver Botanic Gardens and DUF.

Information, handouts, exhibits and events will be provided by Tree Coalition, Denver Digs Trees, Tree Cities USA, CSU Service in Action, Rocky Mountain Arsenal, Sierra Club, Public Service Co., Denver City Forester and High Line Canal project. Food, books, gardening tools and other booths will round out the fair-like atmosphere.

Entry to the Arboretum will be free, though there will be a parking fee of \$2 per car during "Trees for Today and Tomorrow." Call 370-8015 for more information.

# NEWS

## Denver Botanic Gardens April 1993 Number 93-4



*Deer Creek School  
at Chatfield  
Arboretum*

### Inside:

*From the Director*  
page 2

*Perennial  
Marriages*  
page 3

*Windbreaks*  
page 4

*Let the Planting  
Begin*  
page 5

*Master Composter*  
page 6

*Wildflower Project*  
page 7

*Ikebana*  
page 8



## From the Executive Director

Among the many remarkable features of Denver is the excellent spirit of cooperation among its cultural organizations. In April the Denver Botanic Gardens and the Denver Art Museum will jointly sponsor "Flowers and Art," which promises to be one of the fine events of the year.

With thanks to Mary Schaefer and Hope Connors, who are heading this effort on our behalf, and Lucette Larkin and Betty Schultz, who are doing so for the museum, we think we will have an extraordinary event for members of both institutions and the general public.

As this goes to press, the preview reception on April 22 is nearly sold out. There is limited seating available for the floral design tutorial with Chris Giftos of the Metropolitan Museum of Art in New York.

The public event is on April 24 and 25, and I hope all our members will visit the Denver Art Museum for the preview, for "Flowers and Art," and, while you are there, to view the beautifully renovated museum.

The cooperation among all the institutions has been greatly enhanced by support from the Scientific & Cultural Facilities District and by the wonderful volunteers that serve all the institutions so well. "Flowers and Art" is just the latest example. I know you will enjoy it.

—Richard H. Daley

*Primulas are among the first perennials to appear in the spring.*



### Green Thumb News Number 93-4 • April 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for June issue: April 16

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.



## Tributes

### In honor of

**Terry Touff's 80th Birthday**

Mrs. Herbert Crane

Mr. & Mrs. Norman Davis

Mr. & Mrs. Marshall Freedman

Ms. Greta Hilb

Mr. & Mrs. J. H. Silversmith

### In honor of

**Mrs. Thomas E. Taplin**

NACCO Industries

### In memory of

**John Critcher Freyer**

Mr. & Mrs. Steven Cowperthwaite

### In memory of Bea Janaw

Mr. & Mrs. Bert Naster

### In memory of Sara G. McNaull

Ms. Genevieve S. Kramer

### In memory of Arlyne Reynolds

Mr. & Mrs. R. L. Rickert Jr.

### In memory of

**Ruth Porter Waring**

Mr. & Mrs. Richard Boyer

Ms. Peggy Braun

Ms. Nancy Newton Davis

Ms. Solange Gignac

Dr. Martin Goldfogel

Mr. & Mrs. Richard W. Hanselman

Mrs. Hilda V. H. Rickenbaugh

Marka Webb Stewart

## Employee of the Month

Because of her extraordinary efforts for December's "Blossoms of Light," Special Events Coordinator Linda Brancato was named February employee of the month.

Linda spent an enormous amount of extra time planning the Holiday Concert Series, producing the nightly musical performances and working with vendors and suppliers to make "Blossoms" a high-quality event for Denver's citizens. Then she worked dozens of extra hours at night and on the weekend to make sure the events occurred smoothly, as planned.

At virtually the last minute Linda was confronted with making radical changes in "Blossoms" when the opportunity to collaborate with the Denver Zoo and KMGH TV Colorado's 7 was worked out.

Her hard work, creativity and flexibility certainly paid off. Attendance was nearly triple that of 1991 and the event laid the foundation for future collaborations and even better "Blossoms of Light" for DBG's visitors.

Congratulations, Linda, and thank you.



## 'Flowers & Art' Display Free for DBG Members

The exhibition of artworks and flower arrangements of "Flowers & Art" at the Denver Art Museum April 23 to 25 is free for members of DBG and the museum. Some 70 works will be interpreted by amateur and professional floral designers.

The preview reception at the museum Thursday, April 22, at 5:30 p.m. is \$60 per guest. The gourmet picnic luncheon and lecture by designer Chris Giftos Friday, April 23, at noon is \$40. The hands-on floral tutorial by Giftos Saturday, April 24, at 9:30 a.m., is \$75 per participant.

"Flowers & Art" is a joint fundraising project of DBG and the museum. Please see your March *Green Thumb News* or call 640-5626 for details.

## Hort Therapy Gives Sensory Garden Tours

Volunteers in the Denver Botanic Gardens horticultural therapy program will guide group tours through the Morrison Center Sensory Garden this summer for participants in therapy and rehabilitation programs. Clients of such programs or other groups who may benefit from the intimate setting of this garden should urge their activity directors to schedule this free service.

The tours may be arranged for April through September by calling the DBG Education Office, 370-8020, or TDD 370-8032.

Also, members are invited to an open house in the Sensory Garden Friday, April 30, 8 to 9:30 a.m. Peek into this inviting garden. It is a garden of sight and sound, a garden to touch, smell and taste. Call Horticultural Therapist Rebecca Haller for more information, 370-8040.

## Tier I Free Days in April

The Tier I institutions of the Scientific & Cultural Facilities District have scheduled several April free days:

- Denver Art Museum, every Saturday
- Chatfield Arboretum, Saturday, April 3
- Denver Museum of Natural History, Sunday, April 4, and Thursday, April 22
- Denver Botanic Gardens, Saturday, April 10.



*The perennial hibiscus, Hibiscus moscheutos, is an especially difficult plant to "marry" with others in its surroundings.*

## Rock Gardeners Plan 'Rendezvous' for Annual Meeting

The annual meeting of the American Rock Garden Society that convenes in Vail, Colorado, June 24 to 27 this year has taken the theme "Rocky Mountain Rendezvous." In addition to the meeting the conference will include formal and informal lectures, garden tours and the sale and exhibition of alpine plants, art and photography.

Field trips by van, four-wheel-drive vehicles and helicopter will also be offered to the registrants. Former first lady Betty Ford will host the opening reception at the Vail Alpine Garden.

The ARGS is a non-profit organization dedicated to the use of native and other alpine plants in gardens and landscaping. It encourages the exchange of seeds from alpine areas around the world to encourage the conservation of endangered or threatened species of alpine plants.

Membership in ARGS is not necessary for participation in the June activities. The deadline for registration is May 1. To sign up or to get more information on "Rocky Mountain Rendezvous" contact Dick or Ann Bartlett, 986-8096.

## Proctor & Springer Join for 'Perennial Marriages'

Two of DBG's most popular instructors, Rob Proctor and Lauren Springer, will join to give a colorful lecture on "Perennial Marriages" in John C. Mitchell Hall Tuesday morning, April 13, at 9 a.m.

Proctor is a nationally known horticulturist and co-author of the weekly "Front Range Gardeners" column in the Denver Post. A talented writer and illustrator, his series of books, *Antique Flowers*, is sold throughout the world. Springer, the other "Front Range Gardeners" expert, has gardened professionally on both sides of the Atlantic.

If you've been unable to attend their other presentations, now is a great opportunity to hear them speak on perennials for Western gardens. Perennials are deservedly popular for their versatile beauty and their toughness in our climate. As Proctor and Springer will illustrate, a good marriage enhances both partners; the same can be said for good plant combinations.

The program is only \$9 for members, \$11 for nonmembers. Register promptly by calling the Education Department at 370-8020.



## Windbreaks Not Just for Farmers

If you have visited Chatfield Arboretum lately you may have noticed the thirteen miles of trees and shrubs that have been planted as windbreaks. Someday these will protect future plantings at the Arboretum, provide visual screening and give us useful information on the drought tolerance of the trees and shrubs.

Windbreaks are composed of carefully spaced rows of trees and shrubs. They are designed to influence such things as wind velocity, temperature, relative humidity, snow distribution and water runoff. Also, they enhance the habitat of certain wildlife species.

We normally associate these types of planting arrangements with rural, agricultural settings, and for good reason. The benefits of windbreaks to farmers and ranchers are higher yields and profits. More importantly for all of us, windbreaks improve our life by making agriculture self-sustaining, keeping land productive during years of drought, lessening soil erosion and improving air and water quality.

These benefits, however, are not limited to rural locations. They can be had by anyone who owns or manages at least half an acre of land.

In an urban setting a windbreak reduces noise, filters dust from the air, controls snow drifts and water runoff, reduces heating and cooling bills and lessens the need to water. They also have an aesthetic value and provide shelter and food to attract wildlife.

Even with our meager precipitation, you can grow a windbreak in

Colorado with no additional watering, although initially it helps to augment natural precipitation to help the plants become established.

At Chatfield Arboretum we are using a polypropylene material as a mulch, to eliminate weed growth and to conserve moisture. This is relatively new technology, but has already proven effective. It appears, also, to be the most economical method, since we do not have access to large quantities of other mulches.

After five or six years the polypropylene will break down and other means will be necessary to control the weeds. For a small planting a rototiller can be used several times a year; for a larger windbreak a tractor with disk harrow may be more efficient. But when the windbreak plants mature, after ten or twelve years, weeds should not be a major problem in the heavy shade under the tree and shrub canopy.

Landowners and other citizens interested in creating a windbreak or wildlife habitat should contact local conservation technicians for assistance in designing their plantings. The service is free and, in some cases, cost sharing plans are available for private and public landowners. Here are some contacts in Colorado: local conservation districts with soil conservation technicians, Colorado State Forest Service district offices, Colorado State University Extension offices and Colorado State Division of Wildlife.

—Chris Hartung,  
Acting Supervisor,  
Chatfield Arboretum

*A maturing windbreak at Chatfield Arboretum protects a new line of trees.*



## Benefits for Members

### Plant Sale benefits

A DBG membership is special, especially at the annual Plant and Used Book Sale. Your membership card will gain you early entry to the sale both Friday and Saturday, May 7 and 8. While others are waiting in line until 10 a.m., you can get into the sale at 8:30 and get your pick of the stock.

Then, keep that card handy. When it's time to check out, you will receive a 10 percent discount on your purchases, both plants and books.

### New DBG dividend for seniors

If you are 65 or older, ask for your senior dividend each time you use your membership card to enter the Gardens. This is a new feature of membership to thank you for your support.

You will receive a free guest pass for a friend to use immediately, or keep for another day.

### April dollar matinee

Join us in Mitchell Hall Sunday afternoon, April 4, at 2 for *Mary Poppins*, the classic family movie starring Julie Andrews. Popcorn and lemonade will be available.

All ages are welcome to this members-only matinee.

### Reminder for renewal

When it comes time to renew your membership, consider joining the Gardens at the \$120 Botanist Club level. It will allow you substantial, year-long discounts at Birdsall & Co., Bouquets florist and Englewood Garden Center and Florist. Benefits at this level also include four free concert tickets. The \$240 Conservator's Society membership will give you eight concert tickets and a pre-concert cocktail party, in addition to the merchants' discounts.

### Greenhouse Tours Begin in April for \$50-and-Up Members

DBG members at upper levels will soon receive in the mail an invitation to several interesting behind-the-scenes tours of DBG's production greenhouses. The next tour will be Wednesday, April 7, from 6 to 8 p.m.

Reservations are required. Please call Amy Capra, 370-8021.



## **From the Plant Sale Chairman: Let the Planting Begin**

Pots or plots—no matter what size your garden, the DBG Plant & Used Book Sale traditionally marks the beginning of the Front Range planting season. To bring your garden out of the winter doldrums, you will want to attend this sale to shop at either the "Flowering of Denver" party Thursday, May 6, or the sale Friday and Saturday, May 7 and 8.

You can fill your balcony, porch or deck with vibrant New Guinea impatiens, an herb "gardenette" of basil, thyme and chives, or even some shade tolerant variegated strawberries in a strawberry jar. Many vegetables also do well in containers. To celebrate the Year of the Pepper (it's official!) consider several of the 17 varieties that will be available at the sale. How about 'Ivory Charm', 'Lilac Belle', 'Firecracker Pequin' or 'Serrano'?

If you have a more traditional garden, golden raspberries or the early ripening 'State Fair' apple could fill your fruit basket for years to come; a wonderful addition to a rock garden would be a dwarf conifer; and for water gardeners there's a wide selection of aquatic plants.

Of course, don't forget Mother's garden on Mother's Day. For her, a bonsai, orchid, bromeliad or small eucalyptus would make an unusual present.

Indoors or out, large or small, there's something for every garden this spring from the 44th annual Plant & Used Book Sale!

—Debbie Davis

## **Volunteers Credited with Valentine Success**

The staff of the DBG Special Events Office credits its volunteers for the success of February's "Hearts & Flowers" Valentine's Day weekend activities. A Night at the Bijou and the Sweetheart Ball were very successful, and hundreds of visitors stopped by the Gardens to make valentines and corsages. The volunteers earned a heartfelt thank-you from Special Events Manager Lorinda Teter and Special Events Coordinator Linda Brancato after the event.



# **LET THE PLANTING BEGIN!**

## **1993 PLANT & USED BOOK SALE**

DEBBIE DAVIS,  
PLANT SALE CHAIRMAN  
CAROL SCHUTZ,  
PLANT SALE CO-CHAIRMAN

## **FLOWERING OF DENVER COMMITTEE**

SANDRA WILBANKS, CHAIRMAN  
ROSELLA LOUIS, CO-CHAIRMAN  
JUDE DUDLEY  
DIANE GRANT  
MONTY KUGELER  
LANI SARGENT

# **THE FLOWERING OF DENVER PRE-SALE PARTY**

**FOR THE 44TH ANNUAL DENVER BOTANIC GARDENS**

**PLANT & USED BOOK SALE**

**THURSDAY, MAY 6, 1993 • 5-8 P.M.**

**\$40 PER PERSON**

**(\$25 TAX-DEDUCTIBLE CONTRIBUTION)**

**HORS D'OEUVRES & CASH BAR**

**CATERING BY NUTCRACKER SWEET**

**RAFFLE TICKETS AVAILABLE FOR "PLANTING WATERLILIES,"**

**ORIGINAL OIL PAINTING BY KIM MACKEY**

**(BOOKS NOT AVAILABLE THIS EVENING)**

**BRING YOUR DBG MEMBERSHIP CARD  
FOR 10 PERCENT DISCOUNT ON PURCHASES.**

**ATTIRE, COLORADO CASUAL**

**PLEASE RESERVE \_\_\_\_\_ TICKETS AT \$40 EACH  
FOR THE FLOWERING OF DENVER PRE-SALE PARTY  
AT DENVER BOTANIC GARDENS • 1005 YORK ST.**

**NAME \_\_\_\_\_**

**ADDRESS \_\_\_\_\_**

**CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_**

**AMOUNT ENCLOSED: \$ \_\_\_\_\_**

**PLEASE MAKE CHECK PAYABLE TO: DENVER BOTANIC GARDENS**

**I AM UNABLE TO ATTEND;**

**ENCLOSED IS MY DONATION OF \$ \_\_\_\_\_ .**

**RESERVATIONS ARE DUE BY APRIL 29.**

**FOR MORE INFORMATION CALL SANDRA WILBANKS, 744-2580.**





## 6 **Rose Symposium April 3**

The Denver Rose Society's annual rose symposium will be Saturday, April 3, at the Gardens' Morrison Horticultural Demonstration Center, 2320 East 11th Ave. The day-long series of instructional lectures on growing roses here on the High Plains begins at 9 a.m. For details please see your March *Green Thumb News*.



## **'Romance' Alpine Plants at April 10 Sale**

"Romancing the Alpines," the annual spring sale by the Rocky Mountain Chapter of the American Rock Garden Society, is set for Saturday, April 10, from 9 a.m. to 4:30 p.m. Since this is a free day at the Gardens a large crowd is expected; members interested in buying these plants should come in early in the day.

A large selection of gallon-grown conifers and over 80 flats of choice rock garden and perennial garden plants will be offered. For information call Marilyn Raff, 979-9192.

## **Master Composter Program Begins**

Denver Botanic Gardens' Master Composters, an educational program in cooperation with Denver Recycles, a section of Denver's Department of Public Works, has entered into its public phase. Volunteers have been trained and have begun sharing information about composting throughout the city.

Eventually the program is meant to sell recycled-plastic compost bins to 2,000 Denver households and to teach the residents how to recycle their organic refuse into a valuable soil conditioner for their yards.

The volunteers' training consisted of 40 hours of classroom, field trip and hands-on experience under the leadership of DBG Community Gardens Coordinator Judy Elliott. They have been versed in compost microbiology, composting systems construction, Water-Smart Gardening™ with organically enriched soils, and working with groups of people to begin composting projects. Field trips introduced the trainee volunteers to methods used in commercial composting facilities, recycling centers and landfills.

The Master Composters will help staff the backyard composting demonstration area at Denver Botanic Gardens, which will be open to the public April through mid-October, and will promote composting at environmental fairs and farmers' markets in Denver through the summer and fall. After their initiation at the Colorado Garden and Home Show and the Channel 2 Kids Fair, they will carry their message to the Arbor Day Celebration at Chatfield Arboretum.

For more information on this program call 370-8042.

## **DBG Fine Art Show at Savageau Gallery**

The outstanding paintings entered in the fine art poster contest for the 1993 Plant & Used Book Sale have been selected for a DBG Fine Art Show at Savageau Gallery, 2230 E. Colfax Ave., April 30 to May 12. The winning painting, Kim Mackey's "Planting Waterlilies," and over forty works by noted Colorado artists such as Kim English, Linda Armantrout, Judy Scott, Karen Baxter and Robert Fletcher will be displayed.

According to Steve Savageau, who has assisted the Gardens in producing this show, viewers are in for a real treat. "This show will give you an appreciation for the art scene in Denver," Savageau said. "It will set the standards by which all future DBG shows are judged. These paintings represent the highest quality work available."

Subjects are plant related, and include scenes from Denver Botanic Gardens. Some evidence a touch of comedy, all are exquisitely beautiful.

With the exception of the Mackey poster winner, all pieces in the show are for sale from now through May 1. Denver Botanic Gardens will receive 20 percent of the sale proceeds. A private viewing can be arranged by calling 355-6101.

"Planting Waterlilies" will be raffled by the Garden Club of Denver to benefit the 1993 Plant & Used Book Sale. Tickets are \$5. For more information, or to purchase raffle tickets, call 777-4850.



# **VOLUNTEER OPPORTUNITIES**

## **1993 PLANT & USED BOOK SALE**

- **CASHIERS**
- **CUSTOMER SERVICE**
- **SALES IN ONE OF OVER 20 SPECIALTY "SHOPS"**

**CALL SALLY CONOVER TO VOLUNTEER • 777-1166**



## DBG Wildflower Project to Beautify Highways

Since 1988 DBG has conducted a wildflower research project along Colorado Highway 121 (Wadsworth Boulevard) south of Chatfield Arboretum in Jefferson County. The purpose of the research is to develop a wildflower mix of native Colorado grasses and wildflower species for roadside re-vegetation.

The existing vegetation along the highway primarily consists of crested wheat grass, intermediate wheat grass and yellow sweet clover.

In mid-1990 three sites were prepared to plant a pilot seed mix. Colorado Department of Highways personnel sprayed the sites with the herbicide Round-up. Then the soil was rototilled to a depth of eight inches. That November the areas were planted with a mix of ten native grasses and perennial herbs.

As expected, during the last two years, due to the slow growth of the prairie plants, weeds have had the advantage. However some short-lived perennials have become established.

In the summer of 1992 DBG research intern Constantine Svirchevski set up meter-square plots at Site 2 to monitor the performance of the dominant species and determine the total species composition of that community. This study will continue for the next several years.

Also in 1992, Site 2 was selected for additional seeding of several wildflower species to be studied for their ability to provide color for roadside revegetation. Mark Phillips, of Phillips Seeding and Reclamation, planted portions of the site with a seed mix and installed 26 individual species plots to evaluate the success of individual species in the mix.

Monitoring of the sites continues, to determine a seed mix that will provide a colorful wildflower display useful along Colorado roadsides.

—Carol Dawson,  
DBG Research Botanist

## TV, Radio Boost Guides

Television and radio stations throughout Colorado have begun airing public service announcements urging homeowners to order Denver Botanic Gardens' *Great Gardening Guides*. The free brochures that encourage environmentally friendly gardening are available only by telephone order (1-800-944-8066).

# Crested Butte Wildflower Trip

## July 8-11, 1993

7

Join your fellow Denver Botanic Gardens members for a visit to the wildflower capital of Colorado. This wonderful three-day tour will be a repeat of last year's sold-out tour, filled with incredible displays of flowers, mountain beauty and learning experiences.

### Thursday, July 8

9 a.m. our motor coach departs from the Denver Botanic Gardens parking lot for the scenic drive to Crested Butte, with a picnic lunch en route. Arrive at the luxurious Grande Butte Hotel about 3:30 p.m. Each room has its own balcony, wet bar, refrigerator and whirlpool tub. At 6 p.m. the group will gather for a no-host cocktail hour, followed by a special welcome dinner and a wildflower program with slide show. LD

### Friday, July 9

Breakfast on your own in the hotel restaurant. 8:30 a.m. departure for a glorious Jeep trip past the ghost town of Gothic to Paradise Divide to study sub alpine and alpine wildflowers and wildlife with knowledgeable guides. Picnic lunch in the field. Note that some elevations may be over 11,500 feet. Return to the hotel at 2:30. At 3:30 a workshop will be presented by Angela Overy, Andrew Pierce and Barbara Baldwin on plant zones, conifers, anatomy of flowers, botanical nomenclature and penstemons. This evening will be on your own to enjoy the numerous excellent restaurants and entertainment spots in the village. LD

### Saturday, July 10

Breakfast on your own. 9:30 motor coach departure for beautiful Lake Irwin on Kebler Pass for more fabulous wildflowers, scenery and a catered picnic lunch. After returning to the hotel about 3 p.m. the balance of the afternoon is at leisure to browse through the numerous shops boutiques and galleries in this charming Victorian mining town. This evening we will be treated to a special farewell dinner with entertainment. LD

### Sunday, July 11

Breakfast on your own. 9:30 departure by motor coach for our return trip to Denver. A box lunch will be enjoyed in a scenic spot en route. Return to DBG parking lot about 3:30 p.m.

**Cost:** \$370 per person based on double occupancy. Includes all meals and special events as indicated, motor coach and Jeep transportation, baggage handling, tips, wine and beer on Saturday evening, wine with dinner on Thursday evening, hotel, taxes and a special wildflower booklet. A voluntary \$25 donation to DBG is included. The tour will be fully escorted throughout by Barbara Baldwin, Angela Overy and Andrew Pierce. \$100 per person is required to secure space, which will be confirmed in the order in which checks are received. Final payment is due by May 12. Payments are fully refundable, less unrecoverable costs, if cancellation is received 15 or more days prior to departure. 14 days or fewer prior to departure, cancellations will result in a \$200 penalty, unless a replacement is found. The single room occupancy supplement is \$110.

Please reserve \_\_\_\_\_ spaces for the Crested Butte Wildflower Tour, July 8-11, 1993. A Deposit check for \_\_\_\_\_ is enclosed.

Name \_\_\_\_\_ Member ID \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_ Phone \_\_\_\_\_

Single room: \_\_\_\_\_ yes \_\_\_\_\_ no. Spouse's or roommate's name \_\_\_\_\_

Cost of tour is \$370 based on double occupancy. Single supplement is \$110.  
Final payment is due on or before May 12, 1993.

Please make check payable to Denver Botanic Gardens.  
Mail to DBG, Attn. Barbara Baldwin, 909 York St., Denver, CO 80206.





Denver Botanic Gardens, Inc.

909 York Street

Denver, Colorado 80206

303-331-4000 • 370-8032 TDD

Address correction requested

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APRIL

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the spring *Education Programs* quarterly, or call 370-8020.

- 1 Chatfield Arboretum opens.  
*Bonsai Workshop*  
\* *Outdoor Tour Guide Training*
- 3 Rose Symposium  
Chatfield Arboretum Free Day  
*The Aquatic Garden: Basic Pool Construction*  
*Bark Basket*  
— *A Ring of Roses*  
☼ *Local Wild Plants for Food & Medicine I*
- 4 *The Case of the African Violet*
- 6 ☼ *Chatfield Arboretum Tours*  
*The Water Garden: Basic Pool Construction II*
- 7 *Fruit Trees & Berry Bushes*
- 8 *French Garden*  
*New Perennial Arrivals*
- 10 Alpine Plant Sale  
DBG Free Day  
*A Garlic Basket*  
*The Salad Garden: Gourmet Greens*  
*Renovation Pruning*
- 13 Helen Fowler Library Open House  
*Perennial Marriages*
- 17 Ikebana International Flower Show

- Arbor Day at Chatfield Arboretum  
\* *Beginning Watercolor Painting—Landscapes II*  
*Close-Up Flower Photography*  
*Spring Meadow Wreath*  
*Stalking Herbs at the Gardens*
- 18 Ikebana International Flower Show  
*Tree Walk at Fairmount Cemetery*
- 19 *Carnivorous Plants*  
\* *Water Gardening for Beginners I*
- 20 *Herb Wreath Thyme!*  
\* *Water Gardening for Beginners II*
- 21 *Ground Covers*
- 23-25 "Flowers & Art"
- 24 \* ☼ *Beginning Bird Watching*  
☼ *Local Wild Plants for Food & Medicine II*  
*Topiary for Everyone*  
*Rocky Mountain Arsenal Field Trip*
- 25 *A Tuscan Easter Feast*
- 27 *Flowers for Mountain Gardens*
- 28 *Apple, Bay Leaf & Orange Rings*  
*Hardy Cacti & Succulents for Your Outdoor Garden*
- 29 *Botanical Illustration, Reunion Class*  
*Garden Tool Workshop I*

## Ikebana Spreads Friendship with Flower Show

Ikebana International Chapter 66 of Denver will hold its annual flower show at the Gardens the weekend of April 17 and 18, and, true to the credo of the organization, the event is titled "Friendship Through Flowers."

Hours of the show are 9 a.m. to 4:30 p.m. Saturday and 9 a.m. to 4 p.m. Sunday. At 11 a.m. and 2 p.m. each day will be demonstrations in various styles of arrangement, including the O'Hara, Sogetsu and Ikenobo Schools.

Ikebana International is an organization formed after World War II that seeks to promote friendship with the people of Japan and an understanding of their culture, especially through study and exhibition of flower arranging.

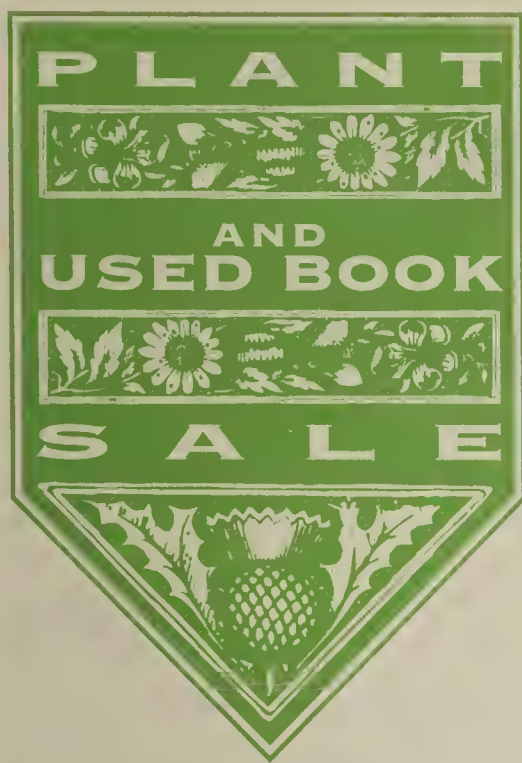
For more information call 986-9132.



A freestyle  
arrangement of  
wisteria vine and  
Edgeworthia







# Green Thumb



# NEWS

## Much Anticipated Sale Opens May 7 & 8

After months of preparation, the books are sorted and the plants ordered for Denver Botanic Gardens' 44th Annual Plant & Used Book Sale May 7 and 8. Over 1200 volunteers have been scheduled to make your shopping experience educational, convenient and enjoyable.

Previous issues of GTN have offered some of the 1993 sale highlights. Here are a few more you can expect to encounter when you come.

- Baskets & Statuary: herb topiaries, Isabel Bloom sculptures, painted clay pots and topiary experts from Rabbit Shadow Farms,

- Garden Donations: plants from the Rock Alpine Garden, including *Anacyclus depressus*, the ground-hugging Atlas daisy; magenta flowered *Silene shafta*; the evergreen European ginger, *Asarum europaeum*; and late-winter blooming *Helleborus foetidus*,

- Herbs: licorice, Queen Anne's lace, Mexican tarragon, Aztec sweet herb, Thai basil and blue vervain,

- Rock Alpine: wildflower sod and troughs, with planting demonstrations,

- Perennials: new easy-to-shop display, with signage to match,

- Roses: a new location under the Bradford pears south of the amphitheater,

- Summer Bulbs: begonias, crocosmias, dahlias, gladioli, lilies and more—ready to plant or pre-potted,

- Trees & Shrubs: blooming shrubs for immediate effect in your yard, and experts to advise you in every detail of buying and planting,

- Xeriscape: a joint effort this year by DBG and the conservation author-

## Denver Botanic Gardens May 1993 Number 93-5



*This scene of the perennials section of the 1992 sale offers a preview of the wide selection of plants that await you May 6, 7 & 8.*

### Inside:

*From the Executive Director page 2*

*Employees page 3*

*Events Line page 4*

*Irises, Alpines & Mushrooms page 5*

*Poster Art Show page 6*

*Members' Events Calendar page 7*

*Summer Concerts page 8*

ities of Denver Water—plants will include 1993 Denver Water Focus Plants and a wide variety of penstemons.

And don't miss your chance to own the Kim Mackey painting, "Planting Waterlilies," winner of the

1993 DBG fine art poster contest. You can buy a raffle ticket for \$5 at the sale. The raffle drawing will be at 4 p.m., Saturday, May 8, in the Gardens. You may be the lucky winner! Posters, too, signed by the artist, will be on sale.





## From the Executive Director

May is "Members Month" at Denver Botanic Gardens. We are grateful for our members' support all year long, but in May we particularly enjoy thinking of special ways to say "thank you."

In this issue of the Green Thumb News you will find the schedule of member events planned for the year. There is also an introduction to our new Membership Events Coordinator, Amy Capra. As our membership grows—in 1992 the number of individual members grew by 15 percent—we are ever more committed to designing interesting experiences to enhance your enjoyment of the Denver Botanic Gardens, and Amy is hard at work planning these events.

Once again, thank you for your continuing support. The Denver Botanic Gardens is committed to serving our members at the highest level of customer service, and we appreciate your comments and suggestions. Drop by, smell the roses and tell us how we're doing.

—Richard H. Daley

## Green Thumb News Number 93-5 • May 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for July issue: May 21

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.



## Tributes

### In honor of Terry Touff's 80th Birthday

Mr. & Mrs. Joseph S. Davis  
Dr. & Mrs. Barry W. Frank  
Dr. & Mrs. Fred Kern Jr.  
Dr. & Mrs. Edward Lewin  
Mr. & Mrs. Robert B. Moch  
Ms. Anne Simon  
W. M. Weil  
Mr. & Mrs. Eugene Weisberg

### In memory of Norman Hall

Ms. Sandee Dixon  
Mr. David Ullery &  
Ms. Clara Broderick  
Mr. & Mrs. Bruce Wehman

### In memory of Charlotte O'Malley Crestmoor Gardeners

### In memory of Jerry Ott Crestmoor Gardeners

### In memory of Arlyne Reynolds Ms. Kathleen A. Negri

### In memory of Myrtle Summerton Mr. & Mrs. Field Benton Mr & Mrs. James C. Secombe Jr.

### In memory of Mrs. Ruth Porter Waring Ikebana International, Denver Chapter 66 Mr. & Mrs. Richard M. Millard

## Employee of the Month

Over the past year enrollment in adult education programs has increased 47 percent, to an unprecedented 6,658 students. This was due to the creative planning and exemplary execution of the program by Adult Education Specialist Paula Ogilvie. For her outstanding efforts, Paula was named March Employee of the Month.

In making the award, Executive Director Richard Daley also recognized the many extra hours and additional duties that Paula has cheerfully assumed while the Gardens was searching for a new Youth Education Specialist. Her capable coordination of the family component of the Gardens' Valentine's Day festivities, for example, was truly beyond the call of duty. Thank you, Paula.



## From the Plant Sale Chairman: Recipe for Hassle-Free Plant Sale Shopping

- 2 double-decker buses
- 3 hours members-only shopping
- 4 checkout locations
- 4 cart corrals
- 10 percent discount for members
- ¼ million plants

- Shop Friday or Saturday, May 7 and 8, between 8:30 and 10 a.m.—before the sale opens to the general public.

- Park your car in the Calvary Temple lot at the corner of University Boulevard and Alameda Avenue.

- Board one of the two double-decker buses that will be running continuously between that parking lot and Denver Botanic Gardens—avoiding all the problems usually encountered with parking near 1005 York St.

- Browse through 21 "specialty shops" and find plants for every corner of your garden or house and pick up used books to entertain and educate your entire family.

- Proceed to one of four conveniently located checkout stands (twice as many as last year).

- Show your membership card for a 10-percent discount.

- Drop off your cart full of purchases at the adjacent corral for security.

- Take a quick bus trip back to retrieve your car, swing by the corral to pick up your exciting new purchases—and head for home!

—Debby Davis, Chairman,  
DBG Plant and Used Book Sale



## Gift Shop Hires New Manager, Expands Lines

Denver Botanic Gardens has appointed a new manager for the DBG Gift Shop. Sally Lilly assumed the position of Retail Manager/Gift Shop in January.

Lilly has a background in both retail management and nonprofit organization. She owned her own business and, most recently, worked on the fall fund-raising campaign for Mile High United Way.

Expanding the shop's product lines and exploring new venues for sales are among her short-term goals. By Plant & Used Book Sale time she hopes to offer a more complete gardening section, to include tools, gardening gloves and plants, and a larger selection of patio and garden accessories. According to its new manager the shop will soon handle everything you need for training and maintaining bonsai plants. Denver Botanic Gardens will also have its name and logo imprinted on t-shirts, sun hats and coffee mugs.

The first Gift Shop "outreach" was a book sales booth at the Chatfield Arboretum Arbor Day celebration. Lilly will also install a special Gift Shop booth outdoors at the annual Plant & Used Book Sale to sell sun-screen, hats and other items of interest to shoppers. Planned also is a partially remodeled shop, with new merchandise display furniture.

The outstanding corps of Gift Shop volunteers will continue supporting the many tasks the shop demands, and they will receive training for new cash receipt procedures that will assist them in giving the shop's customers even better service.

For more information about the Gift Shop, call 331-4009.

## Membership Events Coordinator Appointed

Amy Capra, who has been data entry secretary in the Membership Office, was appointed in March to be the coordinator of members' special events. Capra has a background in public relations, graphic design and retail management.

Capra is developing a program of appreciation for DBG's members that will include monthly movies, new member parties, special tours, the annual picnic, winter holiday activities and other special events. For more information, please see page 7.



*Mid-season tulips will be blooming for the pleasure of Plant & Used Book Sale shoppers.*

## Naturalist & Youth Specialist Join Staff

Two program coordinators have joined the Denver Botanic Gardens Education Department staff. Marsha Staughton is the new Naturalist, and Geralyn (Geri) Warfield is the Youth Education Specialist.

Staughton assumed her position in mid-February. Among her duties are the development of educational programs using the abundant resources of Chatfield Arboretum.

She has a diverse professional background in natural resources, having held positions in the Colorado Division of Wildlife, the U.S. Fish and Wildlife Service and the Rocky Mountain Raptor Program. She has created and presented numerous educational programs to both children and adults.

Warfield came to the Gardens in late March from the Children's Museum of Denver where she developed and presented school programs. She has been an educator for seven years, teaching science in both classroom and informal settings to students in grades 5 through 12.

## DBG Instructor Receives Writing Award

Lauren Springer, a popular DBG gardening instructor, has received the 1993 Art of Garden Communication Award from the Garden Writers Association of America for her "Front Range Gardeners" column in *The Denver Post*. This is the most prestigious American award for horticultural writing.

Springer's writing and photography have been published in numerous publications, including *Fine Gardening*, *Harrowsmith Country Life*, *Taylor's Guide to Gardening Techniques* and the Brooklyn Botanic Garden handbooks on annuals and perennials. She is a former editor of Denver Botanic Gardens' *Mountain Plain and Garden* magazine. In her northern Colorado garden she grows over a thousand species of plants.

Springer's most recent DBG course, The Water-Wise Flower Garden, in four sessions in March and April, was a sell-out.





*Timothy P. & Rural  
Route Three will  
perform at the mem-  
bers' picnic  
June 7.*

### Benefits for Members Dollar Movie Matinee

Saturday, May 1, enjoy a movie with the kids—admission is only a dollar apiece. This month the movie is *The Great Mouse Detective*. In this exciting animated film a master toy maker is mysteriously kidnapped, and his young daughter doesn't know where to turn for help—until she meets the Great Mouse Detective, Basil of Baker Street. The movie begins at 2 p.m. and lasts 72 minutes.

### Annual Picnic: Country in the City

DBG's annual members' picnic will be at the York Street gardens this year and will feature the country music of Timothy P. & Rural Route Three. The date is Monday, June 7, from 5 to 8 p.m.

Both young and old are sure to enjoy Timothy P. & Rural Route Three, a wild and zany group known for the audience participation it inspires. The band's high energy has been known to coax even the most stubborn audience into singing, dancing and just plain having fun. The music is a mix of oldies, fifties rock and country.

You provide the picnic, DBG provides dessert and beverages. Cost is \$5 for adults and \$3 for children 5 to 16 years old. Children 4 and younger get in free.

So mark your calendar now, then call the Membership Events Office for reservations (370-8021) and come to the Gardens prepared for a wonderful evening.



### Dr. Green Adds Wednesday Hours for Summer

DBG's very valuable Dr. Green program has expanded its hours during this gardening season. Now you can call or visit with your plant and gardening questions on Wednesdays, as well as Tuesdays and Thursdays.

This is truly a case of responding to "popular demand." The free information service has responded to over 2,000 phone and walk-in inquiries over the past year. Members and nonmembers alike have taken advantage of the resource.

Dr. Green's number is 370-8068. The walk-in clinic is held in DBG's Helen Fowler Library, 1005 York St. Please note, however, that Dr. Green is available only from 1 to 3 p.m. on the designated days.

### Sign Up, Guide Sensory Tours

Training begins Friday, May 14, for volunteers who wish to join the small corps of guides for the DBG Sensory Garden in the Morrison Horticultural Demonstration Center. Two subsequent classes follow in Friday, May 21, and Monday, May 24.

The guides provide an enjoyable educational experience for groups of people with special needs—mainly clients of social service and rehabilitation agencies—using the garden's specially selected plants with pronounced attributes of odor, texture or flavor or the ability to make sound or provide unusual visual stimulation. Tours are scheduled June through September.

Classes are 9 a.m. to noon each day. Please call the education office, 370-8020, to register for training.

### Special Events Phone & Tickets at Gate

DBG has installed a special events phone line and created ticketing facilities in the York Street gate house to handle information calls and ticket sales for concerts and other major activities at the Gardens. The number to call is 370-8187.

The move was made in anticipation of an expanded summer concert season which begins June 18. This year's Denver Botanic Gardens/Colorado Public Radio Summer Concert Series will include evenings of classical, world music, jazz and big band music. A five-concert series especially for children begins in July.

Members will receive brochures of the concert series and complete ticket information in the mail. For additional copies to share, call 370-8187.

### Guild Hosts Open House

The Denver Botanic Gardens Guild will hold an open house in the gazebo of the Herb Garden Wednesday, May 19, at 10 a.m. to get acquainted with prospective members and others interested in the garden.

Visitors will receive refreshments and information on the Guild's activities and observe members at work in the garden.

The DBG Guild maintains the herb garden, dries flowers and makes herb vinegars for the November Holiday Sale, and sells herbs at the May Plant & Used Book Sale. Its meetings are held the second Wednesday of the month at Denver Botanic Gardens.

For more information about the open house or the Guild's activities, please call President-elect Joan Merrick, 935-9090.



## Irises Star at Gardens In Early June

Now is the time to flip your calendar over to June and mark a visit to the Gardens during the first week of the month to see DBG's outstanding collection of modern hybrid irises. Hundreds of cultivars were planted last year that have not been displayed before. Although the short bearded irises bloom in May and unseasonably warm weather may bring forth early blossoms on the tall bearded ones, iris viewing is usually best during the first half of June.

Also, the American Iris Society, Region 20, which assists DBG with its collection, will have its annual show at the Gardens Saturday and Sunday, June 5 and 6. For information about this stunning exhibition, call show chairman Tim Kuesel, 420-6806.

## 'Mushrooms Demystified' by Mycologist Arora

DBG members are invited to a lecture May 10 by noted mycologist David Arora, author of several books, including *Mushrooms Demystified* and *All That the Rain Brings*. The talk is sponsored by the Colorado Mycological Society.

Arora has studied and documented the cultural attitudes toward mushrooms in many societies, including Mayan Mexico, Africa and Turkey. He has planned visits to Thailand and the Himalayas.

His talk, "Demystifying Mushrooms," is a part of the regular mycological society meeting and will be in John C. Mitchell II Hall. It begins at 7:30 p.m. For more information on this program call Brenda Carnes, 798-2444, or Marilyn Shaw, 377-1278.

## Mark These Dates for Cultural Free Days

Tier I institutions in the Scientific & Cultural Facilities District will hold the following free days in May for Colorado residents. Denver Art Museum is free every Saturday. Chatfield Arboretum will be free Saturday, May 1. Denver Museum of Natural History will be free Tuesday, May 18.

Denver Botanic Gardens will not charge admission the two days of its annual Plant & Used Book Sale, May 7 and 8. A reminder, though: the Gardens will be closed for set-up to all but staff, volunteers and deliveries the Wednesday and Thursday before the sale.

## Alpine 'Rendezvous' Deadline May 1

The deadline for registering at the standard rate for the American Rock Garden Society annual meeting, "Rocky Mountain Rendezvous," is May 1. Registration is \$175. Participants may register up to June 15 for an additional fee, but the conference is expected to sell out early.

The conference runs June 24 to 27, but Wednesday, June 23, Denver Botanic Gardens will host a reception for participants that will include a tour of DBG's world famous Rock Alpine Garden.

Sign-in is June 24 at conference headquarters, the Vail Westin Hotel in Vail, Colorado, 100 miles west of Denver. The luxury hotel offers special room rates for the conference. From there, registrants will have numerous opportunities to visit gardens and wildflower areas in the high country. A full roster of interesting speakers is scheduled also.

A special focus of the conference will be the alpine endemics of the Mosquito Range west of South Park. Local wildflower experts will accompany hikes and motor tours to seek out and identify outstanding and representative examples of the montane flora.

"Rocky Mountain Rendezvous" is cosponsored by the Rocky Mountain Chapter of ARGS, Denver Botanic Gardens and the Vail Alpine Garden Foundation. For more information or registration materials contact Ann or Dick Bartlett, 986-8096.

## Summer Hours & Fees In Effect Until Sept. 30

Following the recommendation of the staff Admission Fees and Accessibility Task Force, Executive Director Richard Daley announced summer hours and fees for Denver Botanic Gardens, effective May 1 through September 30.

The York Street gardens will be open to the public from 9 a.m. until 8 p.m. on Saturdays, Sundays, Mondays and Tuesdays. The Helen Fowler Library will stay open only on Monday evenings, and DBG will close at 5 p.m. on Wednesdays, Thursdays and Fridays "to accommodate the summer series of concerts and other special events," Daley said.

Summer fees are \$4 for adults through 64 years of age, \$2 for those 65 and older, for students with school identification and for children 6 to 15. Admission is free for children under 6—when accompanied by a paying adult—and for Denver Botanic Gardens members.

"To encourage more residents of the greater Denver area to visit our gardens, we will offer an extra free evening each month during the summer," Daley also announced. The extra free times for Colorado residents, in addition to previously announced SCFD free days, will be from 5 to 8 p.m. on the first Monday of May, June, July, August and September.

In making the announcement, Daley noted that the hours and fees at DBG's Chatfield Arboretum will not be changed.



Colorado Mycological Society lecture: May 10





**DENVER BOTANIC GARDENS AND  
SAVAGEAU GALLERY PRESENT**

**THE FIRST ANNUAL  
DENVER BOTANIC GARDENS  
PLANT SALE FINE ART SHOW**

**FEATURING OVER 40 TOP ORIGINALS  
IN THE 1993 DBG  
PLANT & USED BOOK SALE  
POSTER CONTEST.**

**SAVAGEAU GALLERY  
2230 EAST COLFAX**

**PUBLIC SHOW AND SALE  
SATURDAY, MAY 1,  
AND SUNDAY, MAY 2  
NOON TO 5 P.M.**

**PRIVATE PREVIEW  
(SHOW BOOK ONLY)  
CALL 355-6101**

**YOU'RE INVITED TO VIEW  
THIS RICH AND VARIED SHOW  
OF NEW WORKS  
BY COLORADO ARTISTS.**



## **DBG Original Poster Art At Savageau Gallery**

Denver Botanic Gardens and Savageau Gallery will present the "first annual" DBG original poster art show Saturday and Sunday, May 1 & 2 at Savageau's Gallery, 2230 East Colfax.

Works will include the 40 top contenders in DBG's 1993 Plant and Used Book Sale poster contest. All except the winner, Kim Mackey's "Planting Waterlilies," are for sale.

Savageau's has a reputation for introducing artists to Denver who later in their careers have become famous. This show is just such a beginning. The show features works by well known Colorado art figures, but the real pleasure is seeing works by relative unknowns. The show depicts all things botanical—planting, flowers, gardens and, especially, scenes at DBG.

Hours of the show are noon to 5 p.m. each day. You may arrange a private preview of the show book by calling 355-6101.

## **Sample Old Rose Fragrance & Beauty June 5**

The Denver Rose Society invites you to come to the Gardens Saturday, June 5, to sample the fragrance and beauty of old roses. Sprays of these old-fashioned shrubs will be on display in the Morrison Horticultural Demonstration Center.

"Old" roses are generally considered species and those hybridized before the 20th century. Among them are such romantic favorites as the centifolias, bourbons and rugosas. They are known for their perfumes and their classic forms, from single, five-petaled blossoms to double flowers with a hundred petals or more. Of them it may be said, a rose by any other name may not smell as sweet.

The Denver Rose Society promotes the growing and enjoyment of all kinds of roses: old garden roses, species roses, large flowered hybrids (formerly known as "hybrid teas"), modern shrub roses and miniatures. Its major annual show, which will showcase modern hybrids, will be June 26 and 27 during the DBG Rose Festival.

Hours of the exhibition of old roses are 10 a.m. to 4 p.m. For more information please call Joan Fran-son, 424-3942.

*The Helen Fowler Library volunteers have organized thousands of books for the sale, and they're prepared for scenes like this May 7 & 8.*







# Events

For Members Only

## Members' Annual Picnic

**Monday, June 7**  
**5 to 8 p.m.**

Pack your family's picnic and come to the Gardens for country music by Timothy P. & Rural Route Three, balloon sculpting, face painting, clowns and much more. Ice cream sandwiches and beverages will be provided.

## New Members' Parties

**Tuesday, July 6**  
**6:30 to 8:30 p.m.**

Wild bird expert Steve Fry will explain "How to Attract Birds and Butterflies to Your Garden."

**Thursday, October 21**  
**6:30 to 8:30 p.m.**

B. J. Dyer, owner of Bouquets florist, will lecture and give an informal demonstration on "Creating Beautiful Floral Arrangements."

## Herald the Season

**Wednesday, Thursday & Friday**  
**December 8, 9 & 10**  
**5:30 to 7:30 p.m.**

Receive a special members-and-guests-only preview of the lovely holiday lights and floral displays of DBG's annual "Blossoms of Light." There will be musical entertainment and refreshments all evening in Mitchell Hall and plenty of activities for children—face painting, balloon sculpting, storytelling, puppet shows and Santa!

## Children's Events: 2 p.m. Movie Matinees

(no reservations required)

**Saturday, May 1:**

*The Great Mouse Detective*

**Saturday, September 4:**

*Muppets Take Manhattan*

**Saturday, October 2:**

*Bedknobs and Broomsticks*

**Saturday, November 27:**

*Miracle on 34th Street*

Enjoy popcorn, lemonade and a real theater atmosphere in Mitchell Hall. All ages are welcome! Cost is just a dollar apiece; popcorn or lemonade is fifty cents.

## Goblins at the Gardens

**Sunday, October 31**  
**4 to 6 p.m.**

Bring the kids for a costume contest, pumpkin carving, apple bobbing, storytelling, hot cider and refreshments.

.....  
**For Arbor Circle Members (and above)**

## Behind-the-Scenes Tours

**Wednesday, June 30**  
**5:30 to 7:30 p.m.**

**Thursday, September 23**  
**5:30 to 7:30 p.m.**

**Tuesday, October 12**  
**5:30 to 7:30 p.m.**

Tour DBG's production greenhouses with trained professionals to tell you everything you want to know about the "back room." Refreshments follow in the Lobby Court.

.....

**For Botanist Club Members (and above)**

## Breakfast & Morning Tours

**Tuesday, May 25**

**Wednesday, July 21**

**Monday, September 13**

Rise and shine to a 7 a.m. continental breakfast and see the gardens in the glory of early morning.

## Mrs. Waring's Christmas Party

**Friday, December 3**  
**4:30 to 6:30 p.m.**

Enjoy a festive holiday evening of music, eggnog, fruitcake, cookies and holiday cheer—a tradition of one of DBG's grandest supporters.

.....

**For Conservator Society Members (and above)**

## Pre-Concert Cocktails

**Friday, June 18**  
**5:30 to 7 p.m.**

Join other ticket-holding members prior to the performance of the Kazu Matsui Quartet in the amphitheater. This reception is in the Japanese Garden—and it's during DBG's Japanese Festival!

.....

(Except as noted, events require advance reservations. Please call 370-8021.)

**Denver Botanic Gardens Membership Department**  
**909 York Street**  
**Denver CO 80206-3799**  
**370-8021 • TDD 370-8032**



**Denver Botanic Gardens, Inc.**

909 York Street

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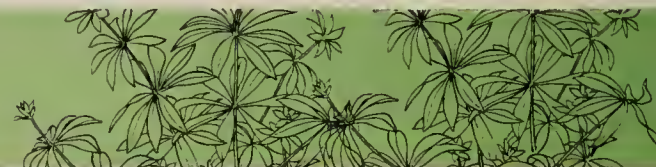
Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the spring *Education Programs* quarterly, or call 370-8020.

- |   |  |
|---|--|
| <p><b>1</b> Members' Movie Matinee<br/>Chatfield Arboretum Free Day<br/><i>Beginning Papermaking</i><br/><i>Garden Tool Workshop II</i><br/><i>May Day Basket</i><br/>* ☼ <i>Spring Nature Photography</i></p> <p><b>4</b> * <i>Advanced Botanical Illustration</i></p> <p><b>6</b> Flowering of Denver Pre-Sale Party</p> <p><b>7, 8</b> Plant &amp; Used Book Sale</p> <p><b>9</b> <i>Japanese Tea Ceremony I</i></p> <p><b>10</b> * <i>Courtship of Colorado Birds</i><br/><i>Pre-Columbian Gardens</i><br/>* <i>Preschool Guide Training</i></p> <p><b>12</b> * <i>The Fascinating Fungi</i><br/>* <i>Watercolor Painting</i></p> | <p><b>14</b> <i>Identifying Colorado Wildflowers I</i><br/>* <i>Sensory Tour Guide Training</i><br/><i>Wildflowers of the Plains</i></p> <p><b>15</b> <i>Backyard Composting</i><br/><i>Identifying Colorado Wildflowers II</i><br/><i>The Delightful Daylilies</i><br/><i>Tree Walk at Washington Park</i></p> <p><b>18</b> * <i>Flying Flowers: A Butterfly Garden</i></p> <p><b>19</b> Denver Botanic Gardens Guild Open House<br/><i>Cactus Cuisine</i></p> <p><b>21</b> <i>Ecology and Flora of North Table Mountain</i></p> <p><b>22</b> <i>Herbs, Spices &amp; Tropical Fruits</i><br/><i>Iris Workshop</i><br/><i>Japanese Tea Ceremony II</i></p> <p><b>23</b> <i>Japanese Tea Ceremony III</i><br/><i>Pastas for Couples</i></p> |
|---|--|

**1993 Bonfils-Stanton Lecture Series**

begins May 12 with David T. Scheid.

Watch your mail for details.



*Picnic suppers,  
blankets and  
casual clothes are  
the order of the  
evening at DBG's  
summer concerts.*

**Summer Concerts Set**

For a midsummer evening's revel there are no events quite like the 1993 Denver Botanic Gardens/Colorado Public Radio Summer Concerts. They're the very best in summer entertainment.

**Kazu Matsui**

Friday, June 18

**Marianne Faithfull with****the Denver Chamber Orchestra**

Thursday, July 1

**Bravo! Colorado**

Friday, July 9

**Klezmer Conservatory Band**

Thursday, July 15

**The Denver Brass**

Friday, July 23

**Richard Stoltzman**

Thursday, July 29

**Terrance Simien/Rebirth Brass**

Friday, August 6

**Toshiko Akiyoshi Jazz Orchestra**

Thursday, August 19 &amp;

Friday, August 20

**Bela Fleck & The Flecktones**

Thursday, August 26 &amp;

Friday, August 27

**Boukman Eksperyans**

Friday, September 3







## DBG Inaugurates Japanese Festival Fathers Day Weekend

Denver Botanic Gardens will host a Festival of Japanese food, music, dance, martial arts, flower arranging, horticulture and paper crafts Friday through Sunday, June 18 to 20. Hours are 9 a.m. to 5 p.m. Friday, to 8 p.m. Saturday and Sunday.

The exciting festival has been arranged in partnership with Tiekyo Loretto Heights University and the Center for Japan Studies. It will offer numerous interesting educational examples of Japanese culture and living art forms to encourage their appreciation and preservation. Japanese food will be catered by local restaurants.

The centerpiece of the event will be the annual bonsai exhibition by the Rocky Mountain Bonsai Society Saturday and Sunday. The Rocky Mountain Koi Club will join the event this year with its annual show. The first evening of the Denver Botanic Gardens/Colorado Public Radio Summer Concert Series, a performance by the Kazu Matsui Quartet, Friday, June 18, opens the festival.

The festival will showcase DBG's widely recognized Japanese garden, *Shofu-En*, Garden of Pine Wind. Visitors will be offered tours of the garden's authentic tea house. Other activities will take place throughout the York Street site. Numerous demonstrations and children's make-it-and-take-it activities from 10 a.m. to 2 p.m. each day will keep your entire family enthralled.

To help alleviate parking and traffic congestion, the Gardens will sponsor free double-decker shuttle busses from the parking lot of Calvary Temple at Alameda and University and the old Denver Dry lot at First and University. (Note: The Calvary Temple lot will be unavailable Sunday and will not be served by the DBG shuttle.) The name of each person who rides the bus will be entered in a drawing for a valuable prize related to the festival's theme.

For information call the Gardens' events phone line, 370-8187.

# NEWS

**Denver Botanic Gardens  
June 1993  
Number 93-6**



*Shofu En, DBG's Japanese garden, will be the scene of many activities June 18 to 20.*

## Inside:

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page 3*

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page 4*

*Lollipopalooza  
page 5*

*Library Lines  
page 6*

*Horticulture Tips  
page 7*

*Iris, Rose Shows  
page 8*



## From the Executive Director

As you visit the Gardens this summer, I hope you will notice some of the changes that we are making to further beautify the grounds.

The new Gloria Falkenberg Garden brings a most welcome transition between the Herb Garden and the Scripture Garden and greatly enhances the south side of the Gardens.

We've expanded our successful Aztec Garden by adding a Mayan and an Inca Garden. These, along with the Native People's Garden, creates a whole Pre-Columbian display and illustrate the horticultural heritage we have received from these cultures.

There are additional perennials along York Street, dwarf conifers in the Rock Alpine Garden, planters and baskets in the Hildreth Garden and ornamental grasses in the Home Demonstration Garden. To enhance the plantings near the Peony Garden we've added shrub and perennial plantings, and an annual knot garden has been installed just north of the Herb Garden.

All of these changes should make your visit even more beautiful. When you visit, please take time to thank the men and women of the horticultural staff and the volunteers who work so hard with them, for making all our gardens, new and old, so wonderful for all to enjoy.

—Richard H. Daley

## Green Thumb News Number 93-6 • June 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for July issue: May 21

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which

enable the Gardens to expand services and enhance the quality of programs and exhibits.



## Tributes

**In memory of Ruth Gallatin Anderson**  
Pink Powder Puff

**In memory of Cory Daniel Dempewolf**

Ms. Laurie Arnot

Ms. Gloria Beaverson

Ms. Michelle Booth

William & Laurie DeLano

Tina, Kim, Noah, Jenny & Lennis

Dempewolf

Mr. Vincent DiMaria

Ms. Toni Ford

Ken, Gail, Jeremy & Stacy Herman

Paul & Jan Kraus

Ms. Beatrice Morneau

Bob & Mary Patterson

Ms. Georgette Purves

Karen & Beau Sam

Roger & Karen Spalter

Ms. Mary Lou Wilwerding

Fred & Mary Jane Wood

**In memory of Betty Eggert**

Ms. Sandy Capps Eggen

**In memory of David Frost**

The Hirsch & Canada Families

**In memory of Maxine McConnell**

E.H. & M. Jean Belyeu

Castle Rock Meats

Ruth Forsyth

General Aircraft Staff

Alma Gorton

Mr. & Mrs. Richard C. Honer

Lydia Laber

Ms. Shirley A. Lombardi

Mr. & Mrs. Francis H. Luhm

Ms. Celeste Merlo

The Staff of Poortinga, Mead & Mc

Connell

Mrs. Ted Reynolds

Mr. & Mrs. Peter Schrepfer

Mr. & Mrs. Richard D. Simonds

Mr. & Mrs. Arnold Warren

Women's Bank

**In memory of Marie Roesch Neff**

Mr. & Mrs. David B. Agnew & Family

Mr. & Mrs. N.N. Bibler

Dayl Brady & Family

Mr. & Mrs. Patrick D. Broe

Mr. & Mrs. A. Bruce Campbell

Mr. & Mrs. Dave Hunter

Mr. J. Thomas Macdonald

Mr. Fred Roesch

Ms. Shirley Jo Wood

**In memory of Elsie Robelia Pugh-Smith**

Mrs. A. G. Rydstrom

**In memory of Dolphe E. Simic**

Mr. & Mrs. William B. Collister

**In memory of Henry Tidwell**

Mr. & Mrs. J. Landis Martin

**In memory of David Trammell**

Mr. & Mrs. James R. Trammell, Jr.

**In memory of Ruth Porter Waring**

Dr. & Mrs. Thomas H. Coleman

Mrs. Peter H. Holme, Jr.

Dr. E. Stewart Taylor

Mr. James Waring White

**In memory of Alex Warner**

Mrs. Alex Warner

**In memory of Helen Jo Wilbanks**

Ms. Jane O'Rourke

**In memory of Margaret Wilber**

Mrs. Lawrence A. Long

## Sale Helpers Deserve Huge Thank-You

DBG members and staff owe a huge thank-you to the helpers—individual volunteers and supporting organizations—that guided the 1993 Plant and Used Book Sale toward success.

The annual sale is the Gardens' largest fund-raiser and its success is critical to all DBG programs. It takes many hours of hard work and a generous community to attain the returns necessary to maintain the Gardens' momentum.

Special gratitude must go to Debbie Davis, chairman of the 1993 sale, and Carol Schutz, cochairman. Davis' endless energy and creativity sparked the event with excitement and productivity. Schutz' persistence and commitment drove the changes needed for more convenient check-out facilities. Both imparted a sense of pride to volunteerism and led their committees to new heights of achievement.

The 58 division chairmen and cochairmen endured a year of meetings, phone calls, trips to growers and demands from volunteers and staff members. They brought in the greatest selection of goods for the sale that has ever been assembled.

Contributions by the sale's underwriters and sponsors helped guarantee financial success.

### Underwriters

The Devonshire Company

Coors Brewing Company

Western Gard'N Wise

Wagner Equipment Company

### Sponsors

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Business Equipment Consultants

Calvary Temple

Cherry Creek Shopping Center

Center Rentals

City and County of Denver

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Inland Container Corporation

Kent Denver School

King Soopers

Kinkos

KVOD-FM

Lange Graphics

Mile High Jazz Band

Nutcracker Sweet

Oppenheimer Management Group

Pace Membership Warehouse

Pour La France

Savageau Gallery

US West, Inc.

Waste Management of Denver North



## 'Marco' of Wave Hill for Bonfils-Stanton

Marco Polo Stufano, Director of Horticulture of Wave Hill Gardens near New York City, will be the speaker for the next Bonfils-Stanton Lecture Wednesday, June 9. Widely recognized as a plantsman *par excellence*, Stufano will draw on his 26 years experience at the garden to present "Wave Hill: Gardening in Five Seasons."

Wave Hill is recognized as one of the most inspired gardens in America and it is largely Stufano's creation. He is its first director. Once a large, rolling estate, Wave Hill was deeded to the city in 1960—28 acres of weeds, long-neglected plants and washed out pathways. A fresh graduate of the New York Botanical Garden School of Horticulture with a degree in art history from Brown University, Stufano was chosen to rescue it.

He approached the task with his own brand of horticulture: a fondness for plants and an English appreciation for doing things right. The garden showed its appreciation by celebrating its 25th Anniversary last year with a special series of activities during "Marco Month" in May.

The results of Stufano's award winning career will inspire June's Bonfils-Stanton audience. The lecture will be presented at 10 a.m. and at 7 p.m. Tickets are \$7 (\$10 for nonmembers).

This is the second of five lectures in the series, which runs through November. The Bonfils-Stanton lectures are dedicated to the Bonfils-Stanton Foundation whose generous support makes them possible.

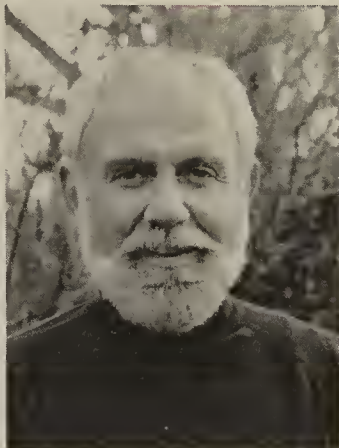
For a descriptive brochure of the entire 1993 series, or to order tickets, call 370-8020.

## Free Days at Denver Attractions

The Denver Art Museum continues its schedule of every-Saturday free days through June. The Denver Museum of Natural History will drop its admission fees for Wednesday, June 9.

Chatfield Arboretum is free Saturday, June 5. The Gardens' next free day is Wednesday, July 21.

Offering free admission to Colorado residents is made possible by funds from the Scientific & Cultural Facilities District.



## University Hospital, Norwest Banks Sponsor Concerts

Executive Director Richard Daley has announced that the 1993 Denver Botanic Gardens/Colorado Public Radio Summer Concert Series has received valuable underwriting from University Hospital and Norwest Banks.

Norwest was last year's sole sponsor. About its return, Norwest Regional Vice President David E. Bailey says, "We think the Gardens makes a perfect setting for experiencing such a diverse slate of entertainers."

Spokesperson for the hospital, Ann McAdams, said that, as the main teaching hospital of the only academic medical center in the region, University Hospital was joining in the sponsorship because it considers both DBG and Colorado public radio "other great assets of Colorado and the region."

As Bailey notes, "When businesses form partnerships with nonprofit organizations, everyone in the community benefits."

## Employees of the Month

Recently a tiny premature notice was published in the Rocky Mountain News that DBG was offering its free Great Gardening Guides. All one had to do was call a listed 800 number. The problem was that the 800 number had not yet been connected.

On the morning of February 18 hundreds of calls began pouring into the DBG switchboard. Receptionist Karen Schoen handled over 150 calls by 10 a.m. But Senior Accountant Steve Younger was able to get an additional phone line installed to help record some of the calls.

We salute these two staff members for their quick reactions and creative problem-solving.



## Matsui Quartet Opens Japanese Festival, Concert Season

Kazu Matsui's personal assimilation of traditional Japanese and contemporary American music the evening of Friday, June 18, will provide the prelude to DBG's exciting Japanese Festival and open the summer concert season at the Gardens.

The concert will begin with the exciting Japanese drumming of Denver Taiko. Then Matsui's quartet will take center stage, with wife Keiko on the keyboard and Kazu playing his haunting shakuhachi (bamboo) flute. Their partnership should be the highlight of the evening, and the exciting concert will be an extraordinary introduction to the weekend of Japanese festivities that follows.

Looking forward, the second concert of the Denver Botanic Gardens/Colorado Public Radio Summer Concert Series is "An Evening with Kurt Weill" by song stylist Marianne Faithfull Thursday, July 1. Featured work will be Weill's "Seven Deadly Sins" with Paul Lustig Dunkel conducting the Denver Chamber Orchestra.

Concerts begin at 7:30 p.m. Members' tickets are \$10 for Matsui and \$12 for Faithfull. Nonmembers' prices are \$3 higher. Phone orders will be accepted after June 1, only at 744-9999. Or you may purchase tickets in person between 8 a.m. and 5 p.m., Monday through Friday, at the Gardens' York Street gate house or at Colorado Public Radio, 2249 South Josephine St.

For information (not for ordering tickets) call 370-8187.

*Kazu Matsui and the Kazu Matsui Quartet will kick off DBG's Japanese Festival Friday, June 18.*



## 'Kidding Around' Family Fun Returns

The DBG Education Department has announced the return of its popular "Kidding Around" family make-it-and-take-it activities. These activities will take place at either Chatfield Arboretum or the York Street gardens and are included in the standard admission fees.

Pack a picnic lunch, take a stroll and bring some children in for the fun. "Kidding Around" activities are from 10 a.m. to 2 p.m. on the days scheduled.

Saturday, June 19, at 1005 York St. "Origami and You" activities refer to the Japanese Festival that weekend. Kids can learn to make origami plants and animals. Of course, adults are welcome to help out.

Wednesday, July 21, a free day at the Gardens, visitors young and old will investigate the world of insects. It's called "This Bug's for You." You will learn how helpful some bugs are, then take home some buggy art jewelry.

"Red Hot Chili Pepper Art" is the theme on York Street Saturday, August 28. Since it takes place during DBG's Chili Harvest Festival the "Kidding Around" will be an artistic activity with fabric, paint and lots of imagination.

Saturday, August 7, the educational fun moves to Chatfield Arboretum. In appreciation of the wildlife there, participants will make plaster footprint casts of some resident animals.

For more information about these events call DBG's Youth Education Specialist Geri Warfield, 370-8043.

*Summertime  
at the Gardens*

## Western Craft Roundup at Chatfield Lures Exhibitors

The July 24 Western Craft Roundup at Chatfield Arboretum will be a juried show and sale of interesting wares made of materials reminiscent of the Western era—wood, tin, metal or fabric—that reflect either highly ornamental or purely functional aspects of Western life. Designed to become an annual event, the Roundup has 50 exhibit spaces available for crafters of items that reflect Western and Southwestern culture. The setting will be the Arboretum's historic Hildebrand Farm.

Application for exhibit space must have been received by May 21. Crafts people will be notified of their acceptance by June 4. A nominal fee will be charged for spaces, which range in size from eight-feet-by-eight-feet, open, to 10-feet-by-10-feet, canopied. For complete information or to receive an application, call 370-8187, or drop by the DBG gatehouse at 1005 York St.

1993 has been declared the Year of American Craft by the American Craft Council. The hemispheric celebration of creative handwork will heighten awareness of the cultural contribution of craft by portraying the ways in which craftsmanship is woven into the aesthetic and spiritual fabric of life in the Americas.

Look for more details of DBG's first Western Craft Roundup in the July GTN.

## Benefits for Members

### Membership Privileges Travel With You

A list of arboreta, botanic gardens and conservatories that offer DBG members at or above the Arbor Circle level special considerations has been printed. By showing their membership card, traveling members of DBG may receive free admission, free parking or gift shop discounts at the participating institutions. See the brochure for details. It is available at the information desk in Lobby Court, in Helen Fowler Library and in the Membership Office at 909 York St.

### Register Now for Picnic

If you are planning to take your family to the annual members' picnic Monday, June 7, the membership department would like to see your reservation—now.

The evening will be headlined by the amphitheater-rocking country-western group Timothy P. & Rural Route Three. Children will line up for the witty balloon sculptures of Wizard Goodbreath and his partner, Glinda the Pretty Good Witch. Storyteller Cherie Karo Schwartz, will entertain in Mitchell Hall.

Iced summer beverages and ice cream treats will be served. You bring the picnic and a readiness to have fun.

Reservations must be made by June 3. The price is \$5 for adults and \$3 for children 5 to 16 years old. Children 4 years and younger get in free.

Call the Membership Events office, 370-8021.

### Behind the Scenes

Members at the Arbor Circle, Botanist Club, Conservator's Society and Four Seasons Affiliate levels are invited to a free behind-the-scenes greenhouse tour Wednesday evening, June 30, from 5:30 to 7:30. Music and refreshments will be provided. To reserve a place on the tour, please call 370-8021.





## Chatfield Arbor Day Celebration Successful

Saturday, April 17, opened to sunny skies, and DBG's Arbor Day Celebration at Chatfield Arboretum brought sunny smiles to everyone who attended. Numerous conservation organizations participated and reached hundreds of Front Range residents with their informative demonstrations and activities.

Cosponsor Denver Urban Forest sold valuable street trees at discounted prices and donated a large concolor fir to the Arboretum; South Suburban Parks and Recreation gave away 1,000 tree seedlings and pruned a large tree near the Chatfield Visitor Center; DBG horticulturists sold native plants; Chatfield volunteers peddled honey and bird and bat houses; the DBG gift shop established a presence away from York Street for the first time; and Columbine Nursery added another 120 trees to the give-away.

Major contributions by corporate sponsor Swingle Tree Company and media sponsor KHH-FM radio station were instrumental in the great success of the event. Next year, look for a bigger, more exciting spring activity at the Arboretum.

## Rose Festival Built Around Rose Society's Annual Show

Denver Botanic Gardens' second annual Rose Festival will be Saturday and Sunday, June 26 and 27, and will be built around the juried show by the Denver Rose Society. Hours are 9 a.m. to 8 p.m. each day.

The Gardens will be blooming, indoors and out, with the beauty of America's favorite flower. Experts from the DBG horticultural staff and the rose society will be on hand in the May Bonfils Stanton Memorial Rose Garden and the All-America Rose Selections test garden to answer visitors' questions on selecting, planting and caring for roses.

On both days of the festival, visitors with "rose" in their names will be admitted to the Gardens free.

The Denver Rose Society show will be in John C. Mitchell II Hall. It will feature perfectly groomed stems of large flowered hybrids, multifloras and miniatures.

For more information, please call 370-8187.

## DBG Inaugurates 'Lollipopalooza' Children's Concerts Series



*The Flying Karamazov Brothers will liven up the inaugural evening of DBG's new children's concert series, Lollipopalooza.*

Denver Botanic Gardens will launch a new children's summer concert series in June with an evening of music, theater, improvisational comedy and acrobatics by the Flying Karamazov Brothers. It will be the first of five concerts scheduled for Lollipopalooza, Denver Botanic Gardens Children's Concert Series.

Lollipopalooza will be produced by Jim Sprinkle Productions, Ltd., producer of the perennially popular Botanic Gardens/Colorado Public Radio Concerts at DBG. The series has received major underwriting from Great Western Life. The concerts will bring total entertainment for children and their families, encouraging activity and audience response as well as attentive listening.

Concerts will be in DBG's outdoor amphitheater with lawn seating. They begin at 7 p.m.; gates will open at 6:15. Tickets are available for individual concerts; no series ticket will be offered. Call the DBG events line, 370-8187, for ordering information.

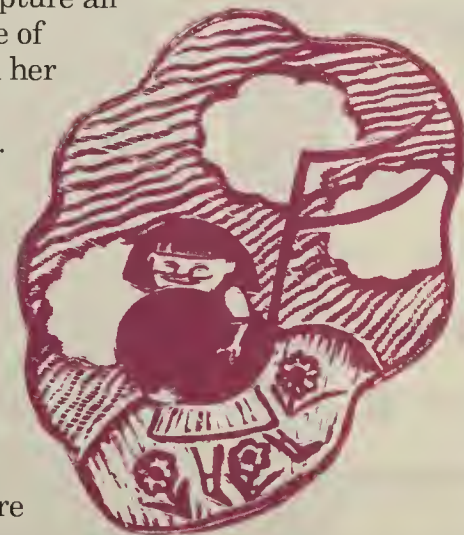
The Flying Karamazov Brothers, Tuesday, June 22, may be the highlight of the season. The four zanies upstaged actor Danny DeVito in the movie *Jewel of the Nile* and have appeared on all major television channels, including Disney and PBS. Tickets for members are \$10 for children, \$8 for each adult; for nonmembers they are \$12 and \$10.

Tuesday, July 13, brings the Ballet Folklórico "Quetzalli," a troupe of 20 dancers, singers and musicians of Veracruz. The spectacular costumes and exciting dances of this popular Mexican export will enthrall audiences at DBG. Members' tickets are \$8 for children and \$6 for adults; for nonmembers they are \$10 and \$8.

Michael and Sharon Doucet...and Friends will forsake their adult Cajun music—which you've enjoyed when they've played at the Gardens with Beausoleil—to bring a good-time sing-along to the whole family Wednesday, July 28. The audience will be their friends and everyone will have fun singing about colors, numbers and animals—in French. This concert is a Parents' Choice Award Winner. Tickets for members are \$7 for children, \$5 for adults; for nonmembers they are \$9 and \$7.

Audience participation reaches its raucous zenith Thursday, August 5—you and the kids will make the music. "Movement and Music...The Marching Band Show" will get you up and parading through the Gardens with your choice of three bands: military, Scottish bagpipe or New Orleans brass. Bring your own percussion and kazoos. Prices are \$7 for child members and \$5 for adults; they are \$9 and \$7 for nonmembers.

Wednesday, September 1, Joanie Bartels, winner of two Parents' Choice Awards, will capture all hearts, especially those of younger children, with her own brand of musical audience participation. One of the best selling children's artists in the country, she will be joined by some dancing friends. This is a sing-along, dance-along evening to bring the season to a very happy close. Tickets for members are \$7 for children, \$5 for adults; for nonmembers they are \$9 and \$7.





## The Foliage Garden: Creating Beauty Without Bloom

by Angela Overy. Harmony Books, New York. 1993 (no library classification yet)

This long-awaited book was reviewed in galley proofs. Publication is expected in June; readers should find it in the DBG Gift Shop and the Helen Fowler Library immediately thereafter. Written by one of Colorado's most knowledgeable gardeners—and a popular art teacher—its photographs are by Rob Proctor, and there are illustrations by the author and Barbara Gregg.

Included in the broad range of topics in this book are leaf types; color and textural variables; woody, herbaceous and tropical foliage; aquatic, sun and shade applications; and herb and vegetable recommendations. Specific species are cited with cultural tips, as well as site and recommended uses. Both common and scientific names are referenced in the text and captions, unlike many popular books that are incomplete in this regard.

The photographs are stunning in composition, color and clarity. Interspersed throughout the book, they complement the text and help define and explain the chapters topics.

Specific plant references include common and unusual species, adding to the novelty of the book. The chapters are annotated with plant lists that include suggested combinations. A fine list of mail-order sources and a

bibliography of associated references complete the coverage.

This is not just another pretty coffee table book, but rather a wonderfully embellished, fact-filled, photographic reference about foliage plants. It will not be found collecting dust on the shelf.

—James Henrich,  
DBG Director of Horticulture

## Gardening in the Mountain West, Vol. I

by Barbara Hyde. Barbara Hyde/Associated Printers, Longmont, CO, \$15.95. 5B453.2R63H8 1993

Colorado-born Barbara Hyde is a garden writer for area newspapers. In this first volume she addresses general horticultural concerns for new gardeners and gardeners new to our region.

Echoes of the Master Gardener program, which she helped launch, resound softly in this book. Every chapter has instructions specific to the Mountain West. Besides good hints and lots of encouragement, the book includes lists of recommended plants, an excellent glossary and a good bibliography. This is an enjoyable introduction to a much needed series.

—Virginia Stratton,  
DBG volunteer

## Hort for Mental Health Workshop June 11

Martha Straus, HTM, of Friends Hospital in Philadelphia, an institution long known for its progressive treatment of people with mental illness, will lead a workshop on the subject at DBG Friday, June 11. Straus is the Supervising Director of Horticultural Therapy at Friends, which has been using horticulture in mental therapy successfully since 1813.

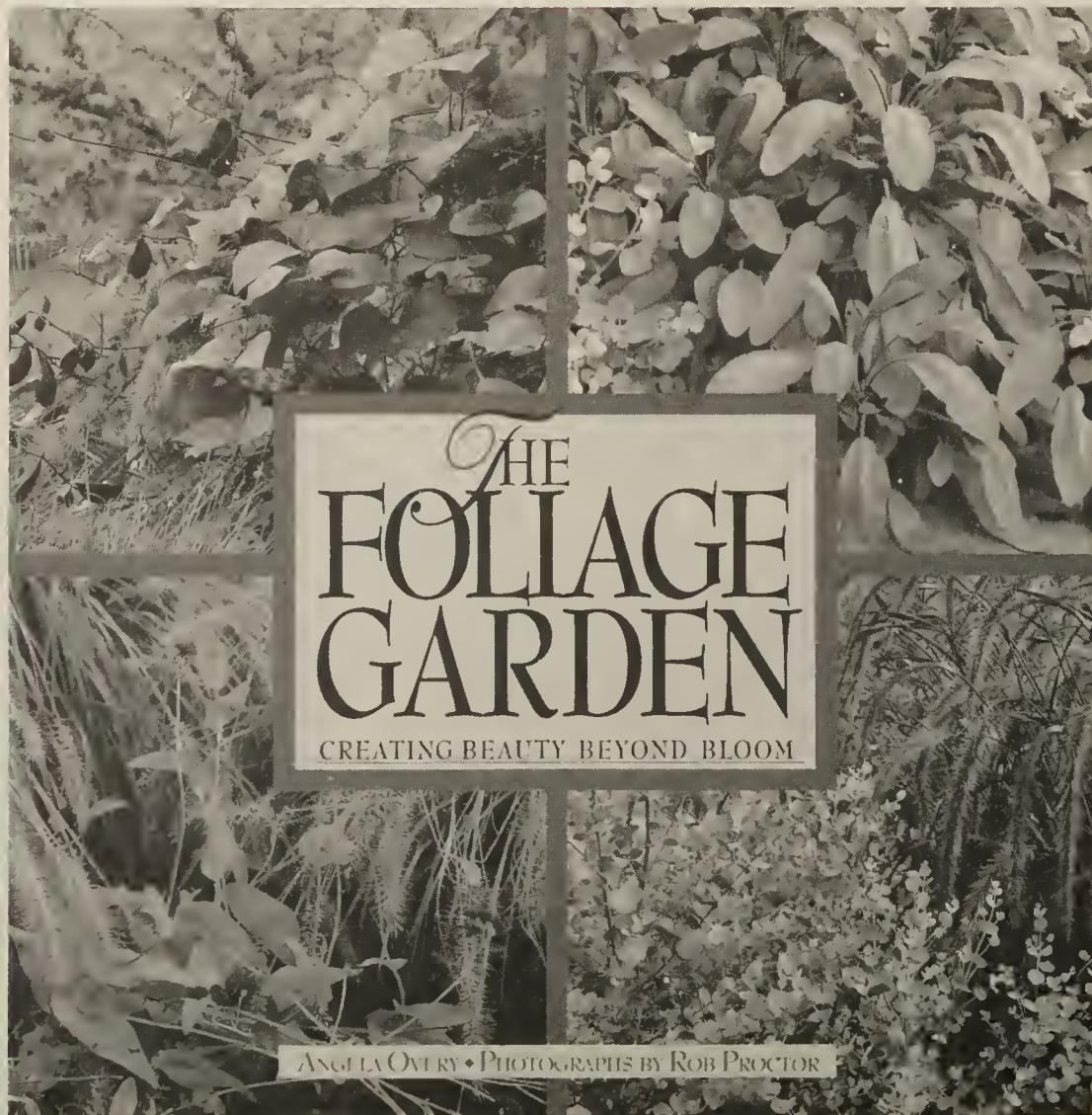
Straus began her career in horticultural therapy following a rare moment, she says, when she listened to her mother. She likes to tell the story of how, following her receiving a Bachelor's degree in sociology, her mother learned about people across the country who were connecting plants and people in a new field called horticultural therapy. Another degree, this time in horticulture, followed and Straus found her new love.

Today, after more than fifteen years in the field, Straus still finds enormous satisfaction in watching her patients respond with joy and wonder when she introduces them to the world of plants. She has shared this joy with senior citizens, patients in psychiatric care and with others through her award winning displays at the highly esteemed Philadelphia Flower Show. She has also written for National Geographic, *Prevention* and *Longevity* magazines.

To experience her enthusiasm first-hand, plan to attend the workshop, "Horticultural Activities for Mental Health," 8:30 a.m. to 5 p.m. June 11, in Mitchell Hall. This workshop offered by DBG's horticultural therapy program promises to send you home with ideas and motivation.

Other speakers will be Dianne Reed, RN, St. Joseph Hospital; Karen Winans Morgan, Denver Children's Home; Russell Jones, Rocky Mountain Ki Society; and DBG's Tonda Olsen and Rebecca Haller, HTM.

For more information or to register for the workshop please call the education office, 370-8033, or the Gardens' telecommunication device for the hearing impaired, 370-8032.





## Hort Questions

Q. I have problems with aphids on my roses, iris and other plants every June. How can I prevent this?

A. One way to reduce persistent aphid populations is to thoroughly clean your perennial and shrub beds early in April. Aphid eggs often overwinter on last year's stems and foliage. Try to catch the problem and treat it (either mechanically or by using the least toxic chemical approach before the population is out of control. Some simple mechanical means are removing them with your fingers or washing them off, using a moderate force of water from the garden hose.

Q: When do I prune early-flowering trees and shrubs such as apples, crabapples, magnolias, forsythias and some members of the genus *Prunus*?

A: Most spring-flowering woody plants initiate next year's flower buds during summer or early fall. To keep from removing these buds, prune the plants just after they flower in the spring.

Q: My peonies didn't produce as many flowers this year as they have in the past. Do they need dividing?

A: Peonies require periodic dividing—a reduction in normally abundant flowering is one indicator of this. The best time to dig and divide them is from late summer through early fall. Remember to replant them with the "eyes" not more than two inches below the soil surface or they may not bloom well again.

## Hort Hints for June

- Late June is the best time to dig and divide dwarf bearded iris.
- Keep up with deadheading perennials and annuals that are coming into full flower at this time to prolong their flowering, reduce insects and diseases, and keep them looking neat.
- All planting and transplanting is best done early in the day to reduce stress caused by intense sunlight and heat. Be sure always to water plants thoroughly after planting.
- When you move your houseplants outdoors for the summer, keep in mind they may require more water more often and need protection from wind and direct sunlight. Morning sunlight is best and should be adequate for even those plants that require the most light. Fertilize your outdoor vacationers twice a month with a one-quarter strength solution of your favorite houseplant food.

# September in Massachusetts September 15-19, 1993

7

Join your fellow DBG members for an early fall visit to the glorious gardens and unique sites in the fascinating and historic greater Boston area.

### Itinerary highlights:

- Four nights at the charming Lenox Hotel, well located in the heart of Boston's fashionable Back Bay area
- Welcome dinner overlooking the water at Anthony's Pier 4
- Many Spectacular private gardens
- A day on the North Shore
- Arnold Arboretum
- Tower Hill Botanic Garden
- Framingham Garden-in the Woods
- Museum of Fine Arts
- Massachusetts Horticultural Society cocktail reception
- Isabella Stewart Gardner Museum
- A visit to historic Salem, including the Essex Institute and the Peabody Museum
- Two meals in private clubs
- Deluxe motor coach transportation, all admissions and bag handling
- Fully escorted throughout
- Luncheon daily, two dinners and two cocktail receptions
- A pre-departure party, and much more

Space will be limited to 24 persons. Cost is \$870 for land arrangements based on double occupancy (\$219 single room supplement); guaranteed group air fare is \$434.50; a \$250 deposit, fully refundable up to July 15, will secure your reservation. For more information call Barbara Baldwin at 783-0010.

Please reserve \_\_\_\_\_ places for the September in Massachusetts Tour, September 15-19. A deposit check for \_\_\_\_\_ (\$250 per person) is enclosed.

Name \_\_\_\_\_

Member I.D. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Work phone \_\_\_\_\_ Home Phone \_\_\_\_\_

Spouse or roommate's name \_\_\_\_\_

Single room \_\_\_\_\_ yes \_\_\_\_\_ no I prefer \_\_\_\_\_ aisle or \_\_\_\_\_ window seat.

Credit card # (for air fare only) \_\_\_\_\_ AX \_\_\_\_\_ MC \_\_\_\_\_ VISA

Exp. date \_\_\_\_\_

United Airlines Mileage Plus number \_\_\_\_\_

Cost of tour: Land arrangements based on double occupancy, \$870 (single supplement \$210), includes a tax-deductible donation of \$50 to Denver Botanic Gardens; guaranteed group air fare is \$434.50. Final payment due July 15, 1993. Make check payable to Denver Botanic Gardens, Attn: Barbara Baldwin, 909 York St., Denver, CO 80206.







JUNE

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☉ indicates a class held at Chatfield Arboretum. For course information see the spring *Education Programs* quarterly, or call 370-8020.

- |  |   |
|--|---|
| 1 ☉ * <i>Chatfield Arboretum Tours</i>                 | 12 * <i>Garden &amp; Yard Troubleshooting</i>             |
| 5 Chatfield Arboretum Free Day                         | 13 <i>Behind-the-Scenes Greenhouse Tour</i>               |
| <i>Container Gardens</i>                               | 14 * <i>Plant Ecology of the Front Range</i>              |
| ☉ <i>Native Edible &amp; Medicinal Plants</i>          | 15 * <i>Never-Fail Perennials</i>                         |
| <i>Tour of International Markets</i>                   | * <i>Shaker Cheese Basket</i>                             |
| <i>Japanese Tea Ceremony</i>                           | 16 * <i>Watercolor Painting</i>                           |
| Old Garden Roses Show                                  | 17 <i>Keeping the Momentum Beyond the Planting Season</i> |
| 5, 6 Iris Show   | 18 Summer Concert: Kazu Matsui Quartet                    |
| ☉ <i>Wonderful Waterfowl</i>                           | 19, 20 Japanese Festival & Bonsai Exhibition              |
| <i>Japanese Tea Ceremony</i>                           | 22 * <i>Summer Botanical Illustration</i>                 |
| 7 Members' Annual Picnic                               | <i>Japanese Tea Ceremony</i>                              |
| 8 <i>Introduction to the Endangered Species Garden</i> | 23 <i>Pressing &amp; Drying Flowers</i>                   |
| 9 Bonfils-Stanton Lecture: Marco Polo Stufano          | 26, 27 Rose Show & Festival                               |
| ☉ <i>Bats!</i>   | ☉ * <i>Make A Willow Trellis</i>                          |
| * <i>Beginning Ikebana Lessons</i>                     | 27 <i>Fresh &amp; Dried Pastas</i>                        |
| <i>Herb Gardening in Pots</i>                          | 28 <i>Ptarmigan Territory</i>                             |
| 10 * <i>Beginning Bonsai</i>                           | 30 <i>Tour of Health Food Stores &amp; Markets</i>        |
| <i>Wildflower Hike at Green Mountain Open Space</i>    | July 1 Summer Concert: Marianne Faithfull                 |
| 11 <i>Horticultural Activities for Mental Health</i>   |   |

## DBG Hosts Iris Show June 5 & 6, Old Roses Show June 5

Two annual late-spring flower shows will be at the Gardens the weekend of June 5 and 6. Saturday brings the "old garden roses" exhibition by the Denver Rose Society and the annual iris show hosted by the regional chapter of the American Iris Society. The iris show continues through Sunday.

The exhibition of old-fashioned roses will be a non-judged affair. Each year members of the rose society share sprays of these fragrant reminders of yesteryear to assist visitors in identifying plants that may be lingering in their alleys or back yards, and to promote their fragrant, carefree qualities.

Old garden roses will be shown in the Morrison Center, just north of the main parking lot. Hours are 10 a.m. to 4 p.m.

The iris will be shown in officially sanctioned competitions. Iris arrangements will follow a theme of great Colorado party events—the Larkspur Renaissance, Telluride Jazz Festival, Silverton Miners Competition, Canyon City Blossom Festival, among them—and individual blooming stalks and English boxes will



focus on well-groomed championship blossoms.

The iris will be shown in Mitchell Hall 1 to 4:45 p.m. on Saturday, 10 a.m. to 4:45 p.m. on Sunday.

Of course, the Gardens' collections of bearded iris and old-fashioned roses will be in full bloom, so plan plenty of time for an outdoor stroll. Both shows are included in the regular admission fees for nonmembers.





## DBG/CPR Series Brings Weekly Concerts in July

The Denver Botanic Gardens/Colorado Public Radio Garden Concert Series will present five concerts in July, one each week.

Marianne Faithfull and the Denver Chamber Orchestra lead off the month's concerts Thursday, July 1, with "An Evening with Kurt Weill." Featured work of the evening will be Weill's "Seven Deadly Sins," which was premiered by Lotte Lenya. Faithfull's dark, passionate voice will make the performance at DBG an extraordinarily appropriate interpretation.

Friday, July 9, Bravo! Colorado performs with guest artists in an evening of chamber music. Among the works scheduled is the glorious Dvorak Piano Quartet. The Bravo! Colorado Festival in Vail is recognized as one of the country's premier summer music festivals; you must hear this group in DBG's outdoor amphitheater to appreciate what the rest of the nation is talking about.

The following week, July 15, the 12 members of the Klezmer Conservatory Band will create a charming evening with infectuous folk music from the villages of Eastern Europe and music of the American Yiddish theater. This will be toe tapping, hand clapping entertainment.

Friday, July 23, The Denver Brass returns to the Gardens. In DBG's outdoor setting this fine large brass ensemble creates a sonic experience not to be forgotten. This year's program will be all-new.

One of the greatest clarinetists of the century, applauded on five continents, is Richard Stoltzman. Reunited with composer/pianist Bill Douglas and jazz great Eddie Gomez, with whom he recorded two albums, Stoltzman will bring his stunning technique to DBG Thursday, July 29.

All concerts are 7:30 p.m. with raindates the day after each concert. (Rain date times vary.) You may buy tickets at the DBG gate house, 1005 York St., 9 a.m. to 5 p.m. any day. Call the special events/concert line, 370-8187, for information.

## '92 Annual Report Available to Members

The 1992 Denver Botanic Gardens Annual Report has been published and is available upon request to members. If you would like a copy please drop by the Communication and Publications Office in the carriage house at 909 York St. or call 370-8033.

# Green Thumb



# NEWS

## Denver Botanic Gardens July 1993 Number 93-7



*Bravo! Colorado's Wu Han will be in concert July 9.*

### Inside:

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## From the Executive Director

Part of Denver Botanic Gardens' mission is to be a good citizen of its community. Every day—through our community outreach program, classes, tours for schoolchildren, the teacher training program and activities for the disabled—we fulfill that mission.

These activities attract thousands of people every week from Denver and throughout the six-county Scientific & Cultural Facilities District. This makes our York Street gardens a busy place. As our membership grows and as our programs gain popularity, we're bound to have a greater impact on our immediate neighbors.

We're working hard to listen carefully to the views and suggestions of these neighbors, the residents of Capitol Hill, Congress Park and Cherry Creek. To help them understand our plans and to more fully involve them in our activities, DBG has formed a community advisory group that will meet at least quarterly.

This group includes representatives of Capitol Hill United Neighborhoods Inc. (CHUN), to our west and north; the Morgan's Historic District, to our south; Congress Park Neighbors, to our east and north; Colfax-on-the-Hill, a business development group; and the Denver East Central Civic Association.

During the year-end holidays we were pleased to host a chili supper for these neighbors. It was so well-attended we're planning a special barbecue this summer. It's our way of saying, "Thank you, neighbors, for your support!"

These community organizations have been helpful in the past, and, as we move toward the implementation of our Master Plan, their thoughts, recommendations and support will be most valuable to the Gardens.

—Richard H. Daley

## 4-Seasons Membership Grows

The Denver Botanic Gardens extends a warm thank-you to our valued Four Seasons Affiliates, and welcome to our new Affiliates.

Mr. & Mrs. George G. Anderman  
Mr. & Mrs. Dennis E. Baldwin  
Mr. & Mrs. Rollin D. Barnard  
Mrs. Katherine Willard Beise  
Mr. Bruce Benson  
Mr. E.R. Bigelow  
Mr. & Mrs. Bjorn Borgen  
Dr. William A. Campbell  
Mr. & Mrs. George R. Cannon  
Mr. & Mrs. William T. Carman  
Mr. & Mrs. Hugh Catherwood  
Mr. & Mrs. Douglas Childs  
Mr. & Mrs. Alvin Cohen  
Mr. & Mrs. William B. Collister  
Mr. & Mrs. F. Hayden Connor  
Mr. & Mrs. Edward P. Connors  
Mr. James G. Coors  
Mr. & Mrs. William Coors  
Mr. & Mrs. Richard H. Daley  
Mr. & Mrs. Robert M. Danos  
Mr. & Mrs. Joseph S. Davis  
Mrs. Richard M. Davis  
Mr. & Mrs. Robert P. Davison  
Mr. & Mrs. Cortlandt S. Dietler  
Mrs. Cris Dobbins  
Mr. & Mrs. William A. Douglas  
Mr. John Falkenberg  
Mr. & Mrs. Charles C. Gates  
Mr. & Mrs. George C. Gibson  
Ms. Lynda Goldstein  
Mr. & Mrs. Newell M. Grant  
Mr. & Mrs. William G. Griffith  
Mr. & Mrs. Frederic C. Hamilton  
Mrs. J. Ramsay Harris  
Mrs. James R. Hartley  
Mr. & Mrs. William D. Hewit  
Ms. Joy R. Hilliard  
Mr. & Mrs. George Ireland  
Mr. & Mrs. Richard A. Kirk  
Mr. & Mrs. Walter A. Koelbel  
Mr. John Kure & Ms. Cheryl Solich  
Mr. & Mrs. J. Landis Martin  
Mr. & Mrs. Frederick R. Mayer  
Mr. & Mrs. Charles R. McCotter  
Mr. & Mrs. John C. Mitchell II  
Ms. Sara Mann Moore  
Mr. & Mrs. C. Neil Norgren  
Mr. & Mrs. Allan R. Phipps  
Mr. & Mrs. William H. Price  
Mr. & Mrs. John F. Rand  
Mr. Daniel L. Ritchie  
Hon. & Mrs. Roy R. Romer  
Mr. & Mrs. Lee E. Schlessman  
Mr. & Mrs. Donald E. Scott  
Mr. & Mrs. Warren Sheridan  
Ms. Fay Shwayder  
Mr. & Mrs. John H. Stamper  
Mr. & Mrs. Benjamin Stapleton  
Mrs. Charles S. Sterne  
Mr. & Mrs. Paul L. Swalm  
Mr. & Mrs. B.K. Sweeney  
Mr. & Mrs. Thomas E. Taplin  
Ms. Nancy B. Tieken  
Mr. & Mrs. L. Clark Tierney, Jr.  
Mr. & Mrs. Donald Todd  
Mr. John Turner  
Mr. & Mrs. James B. Wallace  
Mrs. J. Kernan Weckbaugh  
Miss Janet M. Wierman  
Mr. & Mrs. John D. Woods, Sr.

## Tributes

**In Honor of Ellen Waterman**  
Mr. & Mrs. Bjorn Borgen

**In memory of**  
**Mrs. John Denny Dale**  
Mr. & Mrs. David Abbott

**In memory of**  
**James A. Greenfield**  
Mrs. Donna M. Curtis

**In memory of**  
**Veronica Jungers Heymans**  
Mr. Michael J. Heymans

**In memory of Grace Holmgren**  
Mr. & Mrs. Eliot Payson

**In memory of Ruth Porter Waring**  
Mr. & Mrs. Arthur M. Krill

## Employee of the Month

Peggy Brown, Gardener in the Horticulture Department, shines this month as DBG Employee of the Month.

Peggy came to the Gardens on an internship in 1983 to work with the orchids in Marnie's Pavilion. In 1988 her position was upgraded to a full-time gardener. She continues as DBG's orchid grower, although her duties include, also, maintaining the rotating displays in the Lobby Court and assembling the SKIP (School Kids Into Plants) Kits that prepare schoolchildren for their organized visits to the Gardens.

The following words were used by her peers in selecting her as outstanding employee for May: "She's always helpful and courteous to fellow employees and visitors and she goes about her work with a smile and a kind word for all. She is a real asset to the Gardens."

Congratulations, Peggy!

## Green Thumb News Number 93-6 • July 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for September issue: July 16

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which

enable the Gardens to expand services and enhance the quality of programs and exhibits.



Accredited by the  
American Association  
of Museums



## Community Gardens Coordinator Receives Recycling Award

DBG Community Gardens Coordinator Judy Elliott was awarded the 1993 Outstanding Citizen Recycler of the Year award by Colorado Recycles, a nonprofit educational organization that promotes recycling in Colorado.

Elliott received the award for her dedication to the Master Composter program. Cosponsored by Denver Botanic Gardens and Colorado Recycles, the Master Composter program is recruiting 1,000 Denver households to compost yard and suitable kitchen wastes as a pilot for a city-wide recycling effort. Elliott designed the instructional curriculum and taught the volunteer Master Composters who will train and assist the residents in the pilot program.

Elliott was instrumental in setting up the DBG composting display in the Morrison Horticultural Demonstration Center, which has become the hub for composting information for people in the metropolitan Denver area. A member of DBG's Education Department staff for four years, she is also the primary horticultural advisor for the Gardens' popular Dr. Green plant information service.

Elliott was honored by Colorado Recycles at a luncheon in Fort Collins June 7.

## Annual Iris Sale at Gardens July 24

The annual iris rhizome sale by Region 20 of the American Iris Society will be at the Gardens Saturday, July 24.

July is the time to divide and plant irises. The rhizomes at this sale will be freshly dug from gardens of iris society members and from the organization's public display garden. They will be very new hybrids, mostly 1991 introductions by America's most talented hybridizers.

DBG members are urged to arrive at the sale early: Beginning at 9 a.m., the sale will last only until the rhizomes have been sold. Traditionally they have sold out quickly.

Proceeds will support the education programs of the iris society and DBG. For more information call 237-7727.



## 'Picture a Great Garden' for Fall Photo Contest

Amateur photographers are encouraged to "Picture a Great Garden" this summer, then enter their best color prints in a photo contest sponsored by DBG, Robert Waxman Camera and Video and KMGH-TV Channel 7.

Photos may depict plants or scenes at any of Denver Botanic Gardens' sites, including Chatfield Arboretum. They must have been taken since January 1, 1993. The contest closes Friday, October 15.

So focus now on your favorite DBG scene. Your winning photo will be displayed in Mitchell Hall November 5 through 7 for all DBG visitors to admire. First, second and third prizes will be awarded in two divisions, adult and youth.

Additional details will appear in the August *Green Thumb News*; for more information call the Gardens' events line, 370-8187.

## Country Gardens Autographing at DBG

DBG's Helen Fowler Library will host the autographing of a new book Saturday, July 17. *Country Living's Country Garden*, by Niña Williams, executive editor of *Country Living* magazine, was published in February and is now available in the DBG gift shop. Williams will be in the library to sign copies at 10 a.m.

## Watercolor Society to Exhibit at DBG

The Colorado Watercolor Society will present an exhibition of paintings by its members at the Gardens July 24 through August 1. Hours will be the same as those of the Gardens: 9 a.m. to 8 p.m. on Saturday, Sunday, Monday and Tuesday; 9 a.m. to 5 p.m. on Wednesday, Thursday and Friday. A public reception will be Sunday, July 25, from 2 to 5 p.m.

The primary focus of the artists in this 120-member group is water-media painting, but subject matter may vary considerably, including impressionistic, expressionistic, abstract, realistic, non-objective and other styles. Many of the works in this show will follow floral inspirations.

For more information about the society or this show, please call Barbara Nielsen, 935-9345.

## Water Garden Society Pond Tour

The Colorado Water Garden Society has extended an invitation to DBG members to join its annual pond tour Sunday, July 11. Cost of the tour, usually for CWGS members and guests only, is \$10 for members, \$15 for couples and families. A picnic, \$4, awaits at the last house on the tour. Call Nancy Jewett, 671-7964 for details.

*Watercolor painting "La Loma Sunshine" by Jackie McFarland.*



## Pre-Columbian Gardens Display Plants of Four Ancient American Cultures

Since 1991 staff members of the DBG Horticulture Department have been developing a complex of gardens devoted to the horticultural contributions of native peoples of the Americas. This summer DBG offers four gardens that illustrate the horticulture of four significant cultures: the Anasazi and their successors in the United States Southwest, the Maya of northern Central America, the Aztecs of central Mexico at the time of the first contact with Europeans and the Inca from the central and northern Andes Mountains.

The Anasazi and their successors have practiced successful dryland agriculture for many centuries. DBG's Traditional Plants of Our Southwestern Native Peoples Garden shows several of their techniques and a representation of food crops adapted to the high desert areas of the Southwest. A section of the garden is dedicated to "wild" plants that were foraged by these resourceful people for food, medicines, fibers or dyes.

The Maya built an amazingly advanced civilization in the Yucatan Peninsula and northern Guatemala before the arrival of Europeans.

Their agricultural methods and the plant varieties they used have survived in the cultures of the people who still

live in the area. DBG's Mayan Garden includes authentic varieties of amaranths, chili peppers, corns, squashes, jicamas, tomatoes, tobaccos and beans.

The Aztec Garden is designed to give our visitors some insight into those ancient people's appreciation of flowers. Entire communities were devoted to the production of flowers for their large markets. Many commonly grown varieties of annuals originated in Mexico, and DBG's display features ageratums, amaranths, celosias, cosmos, dahlias, daturas, sunflowers, heliotropes, lantana, flowering tobaccos, petunias, portulacas, poinsettias, salvias, marigolds, zinnias and other, less well-known, ornamentals.

The most important contribution by the Inca culture to the cuisines of the world was the potato. Modern descendants of the Inca cultivate dozens of varieties. They also developed high-altitude varieties of corn and peppers and, less well known, passion fruit, quinoa and vining sweet potatoes.

DBG's Pre-Columbian Gardens will be at their flowering peak from mid-July through September. The produce will be harvested and displayed in the Lobby Court this autumn.



*Right: Dryland crop growing techniques are demonstrated in the DBG Southwest Native Peoples Garden. Above: a gourd blossom.*



## Kidding Around Looks at Bugs

The July Kidding Around family activity, called "This Bug's for You," will be at 1005 York St., Wednesday, July 21, a free day at the Gardens.

From 10 a.m. to 2 p.m. members of the Education Department will help young visitors and their families investigate the world of insects. They'll figure out how these creatures may be helpful, how they camouflage themselves and other interesting traits. Kids will be able to take home some buggy art to wear as jewelry.

There is no fee or registration for Kidding Around activities. For more information call 370-8020.

## July Free Days at Denver Cultural

Thanks mainly to funds they receive from the Scientific & Cultural Facilities District, two of Denver's cultural institutions will offer free admission days in July to nonmembers. Denver Botanic Gardens' Chatfield Arboretum will be free Saturday, July 3, and its main facility at 1005 York St. will be free Wednesday, July 21. Denver Art Museum will be free every Saturday.

In addition, DBG will offer an evening free of admission fees Monday, July 5, from 5 to 8 p.m.

Members are urged to share these free times with nonmembers, to show them the pleasures of membership.

## Daylily Show & Sale

The Mile High Daylily Society will hold its inaugural daylily show and sale at the Gardens Saturday, July 10. The group was formed in 1992 to host nationally sanctioned functions for the American Hemerocallis Society, Region 9. Former annual shows have been sponsored by the regional entity.

The show, which is open to the public from 1 to 4:30 p.m., will feature single scapes and arrangements in a juried exhibition. The sale will offer bare root, freshly dug divisions of plants from members' collections at below regular nursery prices and plants specially ordered for this event. Sale proceeds benefit the daylily society's educational program and the DBG hemerocallis collection.

An educational exhibit on growing daylilies will be included in the show. There is no admission fee, except the standard gate fees for nonmembers of DBG. For more information call Ellen Reed, 989-0681, evenings.



## Benefits for Members

### New Members' Party

New members are invited to attend a summer party at the Gardens and hear a talk by wild bird expert Steve Fry. Tuesday, July 6, he will speak on "How to Attract Birds and Butterflies to Your Garden." The party begins at 6:30. Call DBG's coordinator of members' events, Amy Capra, at 370-8021 for details.

### Breakfast & Tour

Members at the Botanist Club level or above will have a continental breakfast and receive an early morning tour of the Gardens Wednesday, July 21. It begins at 7 a.m. Please call 370-8021 to register.

### Is Your Name Getting Around?

Denver Botanic Gardens sometimes shares its members' names with other organizations. If you do not wish your name to be used for mailings by other than DBG, please let the Membership Department know. Merely call Membership Coordinator Syd Glick, 370-8029, and your name will be deleted from any list of DBG members that is shared.

## 'Glass at the Gardens' Returns in August

The Glass Artists Fellowship's show will return to the Gardens August 5 to 15. The annual exhibition, "Glass at the Gardens," is one of DBG's more spectacular summer offerings. You won't want to miss it. Details will be published in the August GTN. In the meantime, for more information, please call Wiley Smith, 935-5489.

## Artists Guild Show July 15-18

The annual summer show of the Colorado Artists Guild will be at the Gardens Thursday, July 15, through Sunday, July 18. A public reception will be from 7 to 9 p.m. Friday.

The show, in all media, will be open from 1 to 5 p.m. Thursday, 9 a.m. to 5 p.m. Friday and 9 a.m. to 8 p.m. Saturday and Sunday. For more information please call Penny Lager, 341-1397.

## Gardens Ablaze With Color in July

In July, the abundant variety of beauty at the Gardens keeps every visitor occupied when strolling through the patchwork of flower beds. The annuals which are in full bloom now provide a rainbow of color and sweet fragrance throughout the entire grounds.



Wildflowers such as coreopsis, gaillardia, bachelor buttons, poppies, salvias and penstemons add a delicate touch to individual gardens such as the Alpine Rock Garden and the Plains Garden. The numerous lilies planted throughout the Lily Garden offer a beautiful floral aroma to all who pass by them.

Several new gardens were created this spring. One eye-opener is located north of the gate house on York Street. It is a hot combination of annuals: dusty miller 'Silver Dust,' petunias 'Strawberry Daddy' and 'Sugar Daddy,' and *canna* 'Los Angeles'. You will be glad to have your sunglasses along when viewing this site.

Another bright garden, surrounding the amphitheater, has a "south of the border" flare. The brilliant color combinations hot pink, screaming orange, and deep gold accented by cool blue and pure white will make you think of electrifying latin American festivals. The flowers that create this vibrant scene are snapdragons, cleome, cosmos, heliotrope, nicotiana and a new geranium variety called 'Orange Appeal'.

The new parking lot display ought to have stopped you in your tracks with its *Canna* 'King City Gold' combined with *ageratum* 'Cut Wonder,' *celosia* 'Flamingo Feather' and *Pennisetum setaceum* 'Rubrum'.

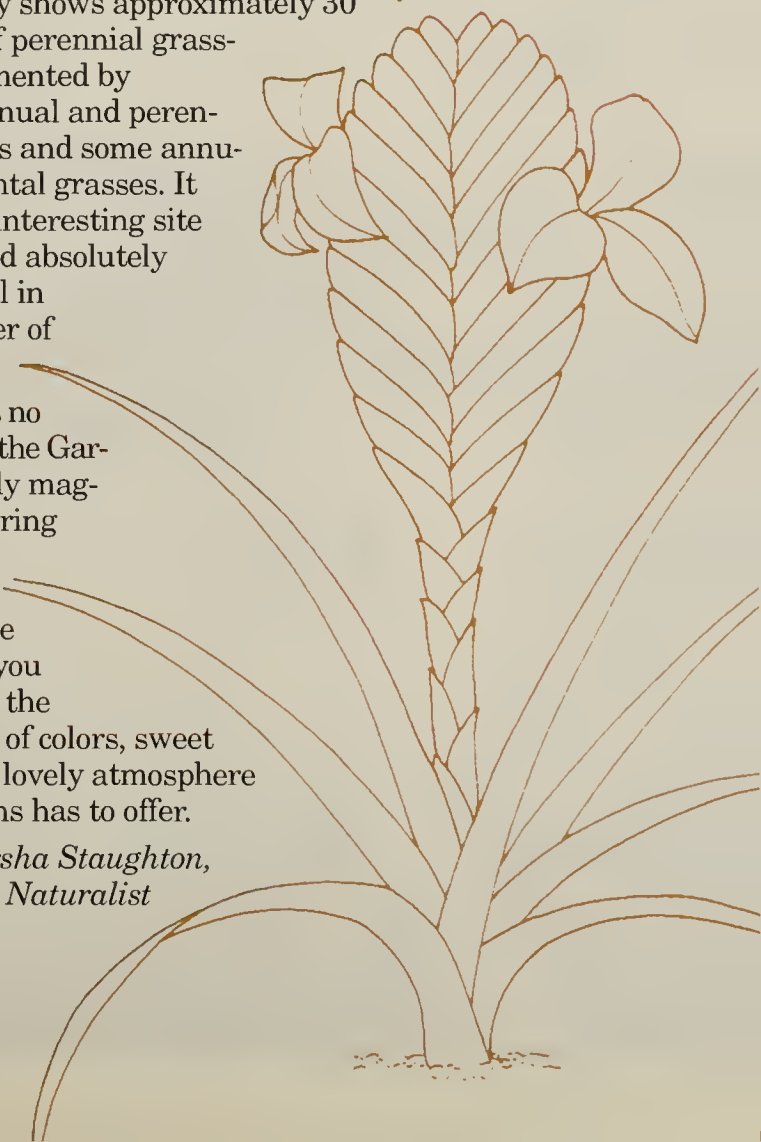
Located north of the Herb Garden, a classic "knot" garden design uses coleus 'Golden Bedder,' lobelia 'Crystal Palace' and 'Brilliantissima' and *Alternanthera* (green type), alyssum 'Snow Crystals' and *Pennisetum setaceum* 'Rubrum'. Although this design has been used

in thousands of flower beds in many countries, the woven appearance is sure to please all that meander by.

If all this doesn't excite you, perhaps the new perennial and ornamental grass display will. North of the Home Demonstration Garden, this display shows approximately 30 varieties of perennial grasses complemented by shrubs, annual and perennial flowers and some annual ornamental grasses. It will be an interesting site this fall and absolutely sensational in the summer of 1994.

There is no doubt that the Gardens is truly magnificent during mid to late summer and we hope that you won't miss the menagerie of colors, sweet smell, and lovely atmosphere the Gardens has to offer.

—Marsha Staughton,  
DBG Naturalist







JULY

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the spring *Education Programs* quarterly, or call 370-8020.

- |    |  |       |  |
|----|--|-------|--|
| 1  | Summer Concert: Marianne Faithfull<br><i>All About Roses</i>   | 15    | Summer Concert: Klezmer Conservatory Band  |
| 2  | <i>Tundra Trip to Corona Pass</i>  | 16    | * <i>Wild Flower Photography at the Betty Ford<br/>Rock Alpine Garden</i>                              |
| 5  | * <i>Arranging Lessons with Fresh Flowers</i>  | 16-19 | Colorado Artists Guild Show  |
| 7  | * <i>Alpine Ecology</i>  | 17    | * <i>Natural Style Flower Arranging, Section I</i><br>☼ <i>Wild Herb Walks</i>                         |
| 8  | <i>Drying Flowers for Bouquets</i>   | 18    | ☼ <i>Butterfly Walk</i>  |
| 9  | Summer Concert: Bravo! Colorado  | 20    | * <i>Flower Photography with Bob Heapes</i>  |
| 10 | Daylily Show & Sale<br><i>Beans, Grains &amp; Sea Vegetables</i><br>☼ * <i>Beginning Watercolor Painting: An<br/>Introduction to Landscapes</i><br><i>Ditch Bank Bouquets</i><br><i>Gathering Basket</i><br><i>Japanese Tea Ceremony</i> | 21    | <i>Gourmet Herbed Oils &amp; Vinegars</i><br><i>This Bug's For You</i><br>* <i>Watercolor Painting</i> |
| 11 | <i>Behind-the-Scenes Greenhouse Tour</i><br><i>Japanese Tea Ceremony</i>   | 22    | <i>Perennial Walk, Section I</i>   |
| 12 | * <i>Drawing From Nature: Mixed Media</i>  | 23    | Summer Concert: The Denver Brass   |
| 13 | Lollipopalooza Concert: Ballet Folklorico<br>* <i>Dry It. You'll Like It!</i>  | 24    | Iris Show & Sale<br>* <i>Trough Garden Workshop</i>  |
| 14 | * <i>Wildflower &amp; Landscape: Videocassette<br/>Recorders in the Garden</i>   | 24-31 | Watercolor Society Show  |
|    |  | 25    | <i>Favorite Italian Summer Salads</i>  |
|    |  | 27    | * <i>Intermediate-Advanced Bonsai: On the Rocks</i>  |
|    |  | 28    | Lollipopalooza Concert: Michael & Sharon Doucet<br>* <i>Natural Style Flower Arranging, Section II</i> |

## Lollipopalooza Presents Songs and Dances From Mexico, France

Lollipopalooza, the Denver Botanic Gardens children's concert series, continues to sing and dance its way through the summer with July performances in DBG's outdoor amphitheater with distinctly Mexican and French accents.

Tuesday, July 13, 20 dancers, singers and musicians from Veracruz will present a spectacle of colorful costumes and exciting dances. They are the Ballet Folklorico "Quetzalli" de Veracruz and their appearance will entertain the entire family, all ages.

Wednesday, July 28, Michael and Sharon Doucet will lead a sing-along in French, straight from the cajun family tradition of Louisiana. This concert is a Parents' Choice Award winner and is recommended for children of all ages.

In addition to joining in the fun, concertgoers are urged to bring new and used books for preschoolers in low-income families. Food for Thought, a children's literacy program of Denver Department of Social Services, will have representatives at each Lollipopalooza concert this summer to receive book donations. Your donation will help expose children to books who otherwise would miss out on this valuable preschool enrichment.

Concert times are 7 p.m. Rain dates for the performances vary. A descriptive full-season brochure with an order form is available. For information call 370-8187.

Ballet Folklorico  
"Quetzalli" de  
Veracruz





## Chile Harvest Festival Heats Up DBG Summer

A major mid-summer cultural event, the Denver Botanic Garden's Chile Harvest Festival, debuts late this month. It will celebrate Colorado's Spanish colonial heritage with food, art and entertainment in the spirit of the modern Southwest.

The festival—Friday, Saturday and Sunday, August 27 to 29—is cosponsored by Chicano Humanities & Arts Council.

Featured will be DBG's Pre-Columbian Garden of plants descended from the fields and gardens of the Inca, Maya and Aztec civilizations and the Southwest Native People's Garden of plants contributed by tribes of the upper Sonoran Desert. Trained guides will be on hand to interpret the displays.

But the entire Gardens will bustle with food vendors, artists and artisans, strolling musicians and participatory children's activities. Saturday and Sunday the amphitheater stage will ring with the energetic sounds of singers and dancers from throughout the Southwest.

A colorful painting has been commissioned from Denver artist Tony Ortega (see photo). The brilliant image of a Mexican style marketplace spread before DBG's Boettcher Memorial Conservatory will be printed on commemorative t-shirts and limited-edition posters. Ortega is becoming recognized from his exhibits in Santa Fe and Denver as one of the region's most exciting young Chicano artists. Currently he works on black paper in brilliant pastels with bold strokes that seem to carry the energy of his images beyond the borders of his medium.

The food will be Spanish/Mexican/Tex-Mex, as hot as a Colorado summer day. After you've sampled, you will be able to cast your vote for the vendor providing the best flavored chile. DBG's education department will recreate an Aztec market displaying the exotic fruits and vegetables of Mexico.

The recent resurgence in popularity of Spanish colonial folk art will be recognized in demonstrations by modern-day practitioners from Colorado and New Mexico. Visitors will watch as tin workers, weavers, quilt makers, straw weavers, *santeros* (carvers of religious figures) and adobe workers create their products. Among the artisans will be Tom Garcia, adobe maker; Eppie Archuleta, weaver; and Arturo Rodriguez, Antonio Martinez and Carlos Santistevan, *santeros*. You will also see how chile

## Green Thumb



# NEWS

### Denver Botanic Gardens August 1993 Number 93-8



peppers are strung into the traditional *ristras* that decorate the doorways and kitchens of Southwestern homes.

Other artists—some thirty-five, in all—will be on hand to sell their creations, which will be in both traditional Mexican-American and modern Chicano idioms. One will have special significance for Denver Botanic Gardens: When *santero* Joe Esquibel and his family joined the Gardens theirs was DBG's 10,000th membership.

Among the entertainment will be Cipriano Vigil y los Folkloristas, musicians and dancers; Southwest Musicians and Dancers; Amor Band, New Mexico sound; Debbie Gallegos and Rudy Bustos, duo musicians; Jeanette Trujillo, flamenco dancer; and Los Matachines de Pueblo.

All entertainment is included in the regular admission fees. Members, of course, enter the Gardens free. For more information call the DBG events line, 370-8187.

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## From the Executive Director

The underlying purpose of the hundreds of programs of the DBG Education Department is to foster an understanding and appreciation of plants and natural environments. Education is the central public service role of the Denver Botanic Gardens.

I ask you to look over carefully the autumn Education Programs brochure that you will soon receive. It presents dozens of opportunities for students of all ages to learn about botany and horticulture. If your interests are less scientific and more artistic, there are still other classes that feature plants, such as watercolor painting or flower arranging. And the three fall programs of the 1993 Bonfils-Stanton Lecture Series will present a variety of nationally recognized authorities to share their expertise.

Another important undertaking of the department is enhancing the educational experience of visitors to our York Street gardens and Chatfield Arboretum. We offer guided tours of Boettcher Memorial Conservatory, the outdoor gardens and the Sensory Garden on York Street and of the natural areas of the Arboretum. Realizing that many visit on their own, we recently installed a dozen new garden information handout boxes and are working to develop additional self-guided materials.

As a member you are notified of our educational programs first and are given discounts on registration fees and tickets. So please visit often and take advantage of these programs—over 300 classes, lectures and field trips each year.

—Richard H. Daley

## Park & Ride for Free

When you attend events at the Gardens, such as this month's Chile Harvest Festival or the concerts, please consider taking advantage of DBG's convenient events transportation: Park at the Calvary Temple lot at Alameda and University (weekdays and Saturdays, only) or the lot at University and First, then take the shuttle buses to the Gardens. It's easy, fun and free!

## Mycologist Mitchel Dies

Dr. D. H. "Sam" Mitchel, founder and retired curator of the DBG mycological herbarium and laboratory, died June 21 at his California home. He was 75.

Mitchel was born in Kansas, graduated from Geneva College and Harvard Medical School at young ages and practiced medicine for over 40 years in the military and in private practice in Colorado.

His special interest in diagnosis led him into an intense fascination with fungi, especially their chemical attributes. A brilliant scientist, he became a world authority on mushroom poisoning and wrote numerous technical papers, articles and books, including *Toxic and Hallucinogenic Mushroom Poisoning* (doctors' "bible" on the subject), *Colorado Mushrooms* and *The Veiled Species of Hebeloma in the Western United States*. He also was a founder of the Colorado Mycological Society.

Because of his dedication to the subject and to DBG's leading mycological role in the United States, Mitchel supported the Gardens' herbarium and laboratory with his own funds during many lean economic years. He accumulated and curated the most thorough collection of fungi in the country for the institution. It also became the most well-identified collection in the country: experts—Mitchel's acquaintances—from all over the world traveled to DBG to study it.

Mitchel is survived by his wife, two sons and many close friends and associates. A memorial service was held at the Gardens July 8. His family suggests memorials be designated for the Mycology Research Fund, in care of Denver Botanic Gardens, or for the charity of one's choice.

## Lunch at the Gardens

Members are reminded that food is available every day at the Gardens from 10 a.m. to 4 p.m. and during the Gardens' concerts. Provided by Pour la France, it includes hot and cold sandwiches, snacks, desserts and beverages.

Elaborate boxed picnics may also be ordered for your concert visit: call 777-4773. Menus are available at the Gardens.

## Tributes

**In memory of Mrs. Kayola Clark**

Mr. & Mrs. Phillip Tracy

**In memory of Viola Holland**

Mr. & Mrs. Winslow Conroy

Ms. Shirley Epstein

Ms. Elizabeth Heacock

Ms. Solange G. Gignac

Mr. & Mrs. Robert Troxell

Ms. Margaret Wallace

**In memory of Marie Roesch Neff**

Petal Pushers Garden Club

**Correction:** The memorial listed in the July Green Thumb News for Mrs. John Denny Dale should have been listed for Mr. Dale.

## Employee of the month

His fellow staff members chose Plant Propagator Andrew Pierce DBG's June Employee of the Month. Over the past two years Andrew has transformed DBG's propagation section into a model of efficiency and production of high-quality plants.

In addition, his fellow employees describe him as consistently cheerful, always willing to share his considerable knowledge and extremely hard working. A person who has always taken great pride in his work, Andrew is usually found in the greenhouses up to his elbows in seeds, seedlings and record keeping. Congratulations, Andrew.

## Green Thumb News Number 93-8 • August 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for October issue: Aug. 20

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## Ethnobotanist Mark Plotkin To Discuss Rain Forest Conservation

Tropical botanist Mark Plotkin, vice president for plant conservation at Conservation International, will lecture twice at Denver Botanic Gardens Wednesday, September 8, as part of DBG's 1993 Bonfils-Stanton Lecture Series. He will present his illustrated talk on rain forest conservation and the search for new jungle medicines at 10 a.m. and at 7 p.m. in DBG's Mitchell Hall, 1005 York St.

Plotkin has conducted botanical research throughout Latin America, focusing for the past decade on recording the ethnobotany of the native peoples of the northeast Amazon region. A leading authority on the medicinal plants of the Amazon, he founded Conservation International's "Sorcerer's Apprentice" program, which encourages young members of the native tribes to learn traditional botanical and medicinal knowledge from their tribal elders. The program is an attempt to preserve a fast-dying body of valuable knowledge, never before recorded, centuries, if not millenia, in the accumulation.

With rain forests disappearing at an alarming rate, countless species of plants and animals face certain extinction. Yet scientists are even now discovering new therapeutic compounds in the plants of these forests, including treatments for intractable problems such as viruses, cancers and rheumatoid arthritis. For 15 years Plotkin has been a passionate advocate for preserving these tropical ecosystems, their plants and the ethnobotany of their human inhabitants.

His work has been featured in *Life*, *Newsweek* and *Smithsonian* magazines, and on NBC Nightly News and CBS' 48 Hours. His talks at the Denver Botanic Gardens will highlight his recent work, chronicled in his new book, *Tales of a Shaman's Apprentice* (Viking, 1993).

DBG's Bonfils-Stanton Lecture Series is sponsored by the Bonfils-Stanton Foundation. It brings to Denver exciting public speakers from throughout the world who are authorities in the fields of botany, horticulture, conservation or the floral arts. Two remaining lectures in the 1993 series will be in October and November.

Tickets to any lecture are \$10 each (\$7 for members of DBG) and may be purchased in advance at 1005 York St. or by phone: 370-8020.



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*John Falkenberg (left) and Dr. Richard Koeppe, President of the DBG Board of Trustees, examine the designer's rendition which became the Gloria Falkenberg Garden.*

## Annual Allied Arts Guild Show Aug. 24-30

Denver Allied Arts Guild, with over eighty professional artist members, will present its annual summer show at Denver Botanic Gardens August 24 through 30.

The show will feature fine art in various media. Besides paintings in oil, watercolor and pastels, there will be weaving, sculpture, pottery and jewelry. Works will be juried by prominent local artist Pat Fostvedt.

The show opens at 10 a.m. Tuesday, August 24, and the public is invited to a reception Wednesday evening from 6 to 8. For more information please call exhibition chairman Helen Colvert, 722-4858.

## Dr. Green & Master Composters Go to Farmers' Market

Master Composters trained at DBG will be present at the Cherry Creek Farmers' Market on the first and third Saturdays of the month from now through October. In addition, every first Saturday, Dr. Green, DBG's resident gardening expert, will open "office hours" at the popular market.

These horticultural experts will answer shoppers' queries about plants and gardening and encourage them to compost grass clippings, leaves and other yard wastes.

The market, located in the Sears parking lot at First and University, offers fresh fruits, vegetables and cut flowers.

## 'Glass at the Gardens' to Sparkle at DBG

The Glass Artist Fellowship and Denver Botanic Gardens will present the 14th annual "Glass at the Gardens" glass arts competition and show August 5 through 15 in DBG's John C. Mitchell II Hall. The show will include works by many of Colorado's most creative and technically accomplished artists.

This event will showcase the finest works of glass art—stained, beveled, painted, hot, carved and etched glass pieces—from Colorado and the surrounding states. In fact, this will be the largest exhibition of new artworks in the glass medium outside the glass manufacturing centers of Pennsylvania. It offers an opportunity to buy marvelous pieces of glass work, from fine art hangings and mirrors to sculptures, jewel boxes and inexpensive knickknacks.

The show, included in the Gardens' regular admission fees (free for members), will be open during the Gardens' regular summer hours. Proceeds benefit the fellowship's educational programs and Denver Botanic Gardens.





## DBG Welcomes Summer College Interns

Five college students arrived in mid-June for a summer of educational enrichment and hands-on experience as DBG Interns in Applied Horticulture.

Two Alice Mann Owen internships were awarded to Lisa Caste and Kristin Hansen. Castle is a biology major in environmental, population and organismic biology at the University of Colorado. She has been interested in plants since the second grade; more recently she participated in a three-week Outward Bound alpine mountaineering course. Hansen is pursuing a degree in floriculture at the University of Minnesota School of Agriculture. She has been a horticultural intern at the St. Paul Como Conservatory and has volunteered at a local nursing home maintaining the landscape.

The Clara Van Schaak Phipps Internships in Applied Horticulture were awarded to Julie Loquidis and Steve Godsil. Loquidis is a student at Front Range Community College working toward a degree in nursery

management. Godsil is a senior at Colorado State University majoring in biology with an emphasis in botany and ecology. He has worked summers as a landscaping foreman and as a peregrine falcon researcher.

An additional intern is Andreas Kasbauer, who is pursuing a master's degree in landscape architecture at the University of Munich, Germany. He visited the Gardens in 1987 and determined to return here to study. His background is in botany, plant physiology and garden architecture.

DBG's internships are partially underwritten by gifts from the Denver Botanic Gardens Guild, the Associates of Denver Botanic Gardens, the Denver chapter of Gardeners of America and other organizations and individuals. They offer college students an opportunity to work alongside the Gardens' professional staff to learn the daily operations of a public display garden. Field trips, special projects and lectures help round out the program that highlights Front Range horticulture.

## Field Trips, Art Classes Available in August

There are still spaces available in several August field trips and classes listed in the summer *Education Programs* catalog. These classes present wonderful opportunities to study your favorite subject—indoors or out—before summer is over.

Saturday, August 14, experienced tour guides Robert Heapes and Andrew Pierce will host a day-long bus trip to Mount Goliath, where wildflower photography opportunities will be overwhelmingly abundant. Thursday, August 26, you can explore the tallgrass prairie near Roxborough Park with popular botanist and field trip leader Janet Wingate. Then Saturday, August 28, you can take Dr. Wingate's workshop on grasses at Chatfield Arboretum.

For a more relaxed outdoor learning experience, sign up for the August 17 stroll through the Gardens to get acquainted with perennials or the August 21 herb walk at Chatfield.

If you are more inclined toward artistic study, you can still register for close-up flower photography (August 7), beginning papermaking (August 7), arranging bouquets of roses (August 12) and nature photography at Chatfield Arboretum (August 14).

For fees and other information on any of these classes and field trips consult the summer catalog of classes or call the education department, 370-8020.

## Mushroom Fair Pops Up Sunday, August 22

The Colorado Mycological Society will hold its 17th annual Mushroom Fair at DBG Sunday, August 22, from 11 a.m. to 5 p.m., in John C. Mitchell II Hall.

The Mushroom Fair will feature a fascinating variety of identified, freshly gathered mushrooms and other educational displays. Mushroom guides and other merchandise will be for sale.

Knowledgeable mycologists will be on hand to help identify mushrooms brought in by visitors. This year's official identifier is Harry Thiers, retired professor of mycology at San Francisco State University.



Left to right,  
Kristin Hansen,  
Julie Loquidis,  
Andreas Kaes-  
bauer, Lisa  
Castle and  
Steve Godsil

## New Orleans Brass, Japanese Jazz On Tap

The 1993 Denver Botanic Gardens/Colorado Public Radio Summer Concerts continue in August with traditional, hot New Orleans sounds; big band jazz by Japanese-American Toshiko Akiyoshi; and modern banjo music.

Friday, August 6, a Louisiana double bill teams Terrance Simien & The Mallet Playboys with The Rebirth Brass Band in a concert that will stretch from the bayous to big city streets. This concert is sold out.

Thursday, August 19, and Friday, August 20, Toshiko Akiyoshi, considered to be one of the greatest musicians working in jazz today, will bring her genius to the Gardens. This will be the most notable

big band appearance in Denver this year and more than rates its two-night stand at DBG. Order tickets early so you won't be shut out on this one.

Bela Fleck & The Flecktones return to the outdoor DBG amphitheater for another two-night gig Thursday and Friday, August 26 and 27. Fleck is revolutionizing notions of what modern banjo music is about. You will love his bluegrass-, classical-, jazz-flavored music; audiences last year raved.

All concerts begin promptly at 7:30 p.m. For ticket prices and information call 370-8187. Tickets are distributed at the DBG gate house at 1005 York St.



## Ainee Busse Keynotes Perennials Workshop

Internationally recognized expert on perennial plants Ainee Busse will keynote the 4th annual Perennial Plant Workshop cosponsored by the Colorado Greenhouse Growers Association and Denver Botanic Gardens September 14. Busse is the president and founder of Busse Gardens, a Minnesota retail mail-order nursery and the president and a founder of the national Perennial Plant Association.

She will give two lectures during the workshop: At 2 p.m. she will present "New and Under-Used Perennial Plants" and at 7 p.m. she will speak on "Garden Design—using Other People's Ideas." Each lecture is \$10 if registration is received by September 3, \$12.50 after, or \$17.50 for both lectures for early registrants, \$22.50 for late ones.

Included in the workshop will be refreshments and guided tours of Denver Botanic Gardens. Nurseries of the region that specialize in perennials will exhibit displays of many varieties of "GROWN N Colorado" perennial plants.

For more information or a registration form call 427-8132 or FAX a message to 427-8139.

## Community Outreach Coordinator Hired

George Brinkmann has recently joined DBG's Education Department as Community Outreach Coordinator, replacing Gina Lee, who resigned earlier this year. Brinkmann has over 35 years' experience as a professional horticulturist.

The DBG Community Outreach Program assists neighborhoods and individuals in developing community gardens, mini-parks and beautification projects. It advocates conservation and using urban spaces for gardening activities.

Initial emphasis has been in serving residents of low-income neighborhoods in communities in the six-county Scientific & Cultural Facilities District. Funds from the special taxing district have enabled the Gardens to enact the program.

Brinkmann, with other DBG staff and volunteers, will organize workshops and other educational programs in the neighborhoods, teaching residents horticultural skills and providing them with technical, strategic and materials assistance.



## Estate Planning—A Special Seminar for Women

To help you answer these important questions:

- Do I need a will?
- Once my will is written, can I change it?
- Can I arrange to receive income for life, then provide a college fund for my grandchildren after I die?
- How can I contribute to my favorite charity at my death, but take the tax deduction while I'm still alive?
- Which financial investments will guarantee me income and keep up with inflation?
- Is it wiser to pay off debt or invest my savings?

Planning experts to help you:

- Yvonne Baca, Vice President & Trust Officer, First Interstate Bank
- Katie Conover, President, Conover Investment Counsel, Inc.
- Marcia Chadwick Hold, Partner, Davis, Graham & Stubbs

Two opportunities:

**Monday, Sept. 27 • or • Tuesday, Oct. 5**

**9:30 to 11:30 a.m.**

**at the Bank of Cherry Creek**

**3033 East First Avenue**

**Free parking and refreshments!**

**Presented by Denver Botanic Gardens, Denver Art Museum, Denver Zoo and Denver Museum of Natural History.**

**Information and registration: Teresa Valdez, 370-8064.**



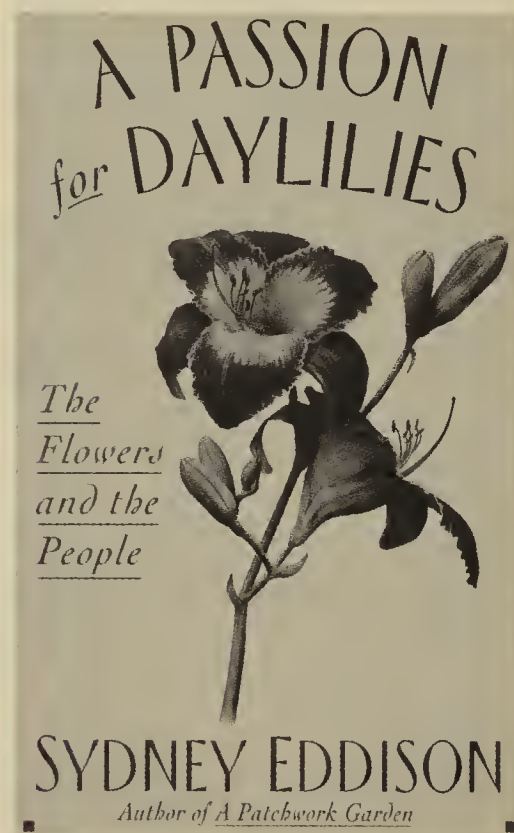


## A Passion for Daylilies

by Sydney Eddison. Henry Holt & Company, New York. \$15.95. SB 413 .D3 E3 1992

Sidney Eddison grew daylilies for twenty-five years, she says, before she visited a display garden for the first time in 1987. The beds of stunning blossoms awakened her interest in the hybridizers whose work so impressed her.

In the same enthusiastic style of *The Patchwork Garden*, she introduces us to George Yeld and A. B. Stout, tracing the epidemic fever for *Hemerocallis* as it spread through the years from one gardener to the next. The possibilities for developing new cultivars are apparently endless. The search continues for a true-blue flower and for miniatures in great variety. There are, after all, only 33,000 or so different kinds grown.



Despite the high degree of cooperation and friendship that existed among breeders, hybridizing did not always go smoothly. Eddison describes the furious split caused by the introduction of tetraploids. She gives 1980 as the birth year of the modern daylily.

"Hemera" is the Greek word for "day"; it also gives us "ephemeral." But there has been nothing ephemeral about the intense feeling, the energetic devotion that characterizes the people who have made the daylily nearly as popular as the rose.

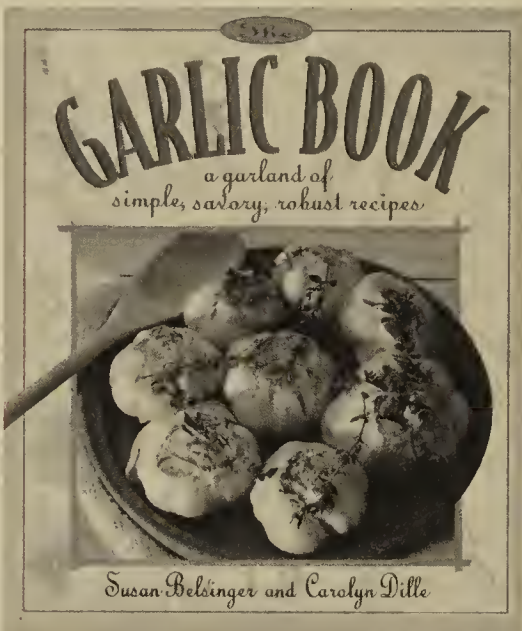
The book includes a helpful glossary, a book list and a directory of gardens and growers. More technical information about hybridizing can be found in *Hemerocallis* by Walter Erhardt.

—Virginia Stratton, DBG Volunteer

## The Garlic Book

by Susan Belsinger and Carolyn Dille. Interweave Press, Loveland, Colorado. \$9.95. TX 819 .G3 B4 1992

In addition to its recipes, this slim paperback gives you an amazing amount of useful information about garlic. But although the authors present a thorough geographical and cultural survey of the herb, they



don't get silly with its innumerable purported benefits. They have produced a book for gardeners and for cooks.

Their choice of recipes is wide-ranging but, obviously, not exhaustive. Italian cuisine does not dominate; Ibero-American food is disappointingly slighted; the major cuisines of the Orient are barely touched.

But reading any of the 30-plus dishes that are included will send you straight to the kitchen. They're wonderful: white pizza, Greek style roast lamb, wilted greens and garlic, creamy garlic and mushroom sauce—even Korean kim chi. The recipes are accompanied by kitchen hints and serving suggestions.

This is a beautifully designed book, as are all books from Interweave Press. This local publishing house also produces *The Herb Companion* magazine. The illustrations in *The Garlic Book* are food photography at its finest.

—Larry Latta

## Young Visitors Find Fun at Gardens, Chatfield

Children have abundant opportunities for fun learning experiences at the Gardens in August.

Families with children are urged to take part in the two "Kidding Around" activities this month. At Chatfield Arboretum Tuesday, August 7, they can learn about the creatures—many nocturnal—that make their homes there and they can make plaster casts of animal tracks. This is a free day at the Arboretum, so take the neighbors and their children too.

At 1005 York St. Saturday, August 28, they can join the festivities of the Chile Harvest Festival by making "red hot chile pepper art" with fabric, paint and lots of imagination. Each "Kidding Around" activity will be from 10 a.m. to 2 p.m. They are free, included in the regular admission fees.

For pre-school-aged children there are tours of the Morrison Horticultural Demonstration Center through September designed specifically to encourage an appreciation of plants among the very young. These hands-on tours are free, but must be arranged four weeks in advance.

The response to Summertime Kids classes was outstanding. The momentum continues into fall when courses for students ages 3 to 11 begin September 11. Pre-school classes will be available during the week, with courses for school-age students on select Saturdays and school holidays.

If you would like more information on any of these children's activities, please call 370-8020 or 370-8043.

## Admission-Free Days at Chatfield, Art Museum

Chatfield Arboretum and Denver Art Museum will have the following days in August free of admission fees for nonmembers.

The art museum will be free every Saturday of the month.

The Arboretum will be free Saturday, August 7.

In addition, here's a reminder that DBG has free admission time the first Monday of every month through September, but only in the evenings, from 5 to 8.

Offering these times of free public admission is made possible by funds from the Scientific and Cultural Facilities District.



## Estate Planning Seminar for Women Set

Denver Botanic Gardens has teamed up with Denver Art Museum, Denver Zoo and Denver Museum of Natural History to offer two special free seminars on estate planning designed especially for women who support our community's major cultural institutions.

Three experts will guide women through the process of estate planning in simple, easy-to-understand language. The presenters for these seminars—women experienced in the financial and legal aspects of estates and trusts—are Yvonne Baca, First Interstate Bank; Katie Conover, Conover Investment Counsel, Inc.; and Marcia Chadwick Holt of Davis, Graham and Stubbs.

The seminar will explore such areas as whether women need a will, whether they can change the will they have, earning income and saving taxes on money pledged to a charity, and investment and savings strategies. Refreshments will be served.

The seminars will be at the Bank of Cherry Creek, 3033 East First Avenue (at Milwaukee, across from The Tattered Cover), Monday, September 27, and Tuesday, October 5, from 9:30 to 11:30 a.m. each day.

Free parking is available in the bank's parking garage: the garage parking ticket should be presented at the seminar for validation. Driving participants should enter the garage from Milwaukee, proceed to the second level, park and walk across the bridge from the garage to the bank's second floor. The seminars will be held in the conference room entered through the first door on the left.

To reserve space for this seminar, or if you have questions, please contact Teresa Valdez of the Denver Botanic Gardens Development Office, 370-8064. Callers should be prepared to indicate which date they prefer to attend the seminar and the names of any guests they will bring.

## Pond Garden Lecture August 8

The Colorado Water Garden Society invites DBG members to its August 8 meeting to hear expert Anita Nelson of the Tetra Ponds educational service lecture on constructing backyard ponds keeping them clear of algae.

The meeting is at 2 p.m. in DBG's classroom B. There is no charge.



*Children enjoyed balloon art and face painting at the Members' Annual Picnic.*

## From Your Membership Office—

### Questions from our members:

*Why is the Botanist Club membership a "best buy"?*

We're glad you asked! In addition to four summer concert tickets, an invitation for two to an early morning tour of the Gardens and a continental breakfast, and ten guest passes—three of the Gardens' corporate friends are offering discounts on their merchandise to our Botanist Club members and to members of higher levels.

John Ludwig, the proprietor of Birdsall & Company at 1540 South Broadway St., near Iowa, extends a 10-percent discount on his selection of fine gardening tools, ornaments and fountains. Birdsall also features ornamental grasses and shade-tolerant perennials, hard-to-find garden treasures.

BJ Dyer and Guenther Vogt, owners of Bouquets at 2029 East 13th Ave. not only create magnificent floral arrangements featuring a wide selection of unusual cut flowers, but they also sell topiary and bonsai plants. Bouquet's offer of a 20-percent discount on purchases adds wonderful value to the Botanist Club membership and above.

Gordon Koon, a valued member of the DBG Board of Trustees and the owner of Englewood Garden Center at 3446 S. Emerson St., offers a 20-percent discount on bedding plants and perennials to fill in those holes in your garden. Englewood Garden Center also features a lovely variety of house plants, as well as trees and shrubs, which can be planted almost anytime.

A warm "thank you" to our business partners!

*What happened to the Patron membership?*

It's back, by popular demand, but we've changed the name. Our \$500-level members are now our Perennial Partners. These generous members receive 14 complimentary tickets to the summer concerts and a free one-year subscription to *ORION*, *People and Nature* magazine, a beautiful visual and literary experience. Of course, all other benefits of the Conservator's Society membership apply too.

*Do all members of the Gardens receive concert ticket discounts this year?*

Yes. All members may purchase their summer concert tickets at a discount this summer. However, for the 1994 concert series we will extend the benefit of concert ticket discounts only to those members at the Arbor Circle level or above. Please consider renewing at this level, especially if you enjoy attending the concerts.

If you have questions concerning the benefits of membership at various levels, please call Syd Glick, Membership Coordinator, 370-8029.



# AUGUST

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the spring *Education Programs* quarterly, or call 370-8020.

- 2-15 Glass Artists Fellowship: "Glass at the Gardens"  
3 *Scripture Garden Walk*  
4 *Gathering Herbs*  
5 Lollipopalooza: The Marching Band Show  
6 Summer Concert: Terrance Simien/Rebirth Brass  
7 Free Day at Chatfield Arboretum  
Kidding Around: "Things That Go Bump,"  
at Chatfield  
*Close-up Flower Photography*  
\* *Designing An Herb Garden*  
*Field Trip to the Farmers' Market*  
*Native Edible & Medicinal Plants*  
*Beginning Papermaking*  
11 *Unique Herbal Pestos*  
12 *Flower Arrangements with Roses*  
☼ \* *Hunting Mushrooms*  
14 *Bus Trip to Mount Goliath*  
*Garden Sprite*  
*Summer Nature Photography*

- 15 *Behind-the-Scenes Greenhouse Tour*  
17 *Perennial Walk, Sect. II*  
19, 20 Summer Concert: Toshiko Akiyoshi Orchestra  
21 *Wild Herb Walks*  
*Japanese Tea Ceremony*  
22 Colorado Mycological Society Mushroom Fair  
*Cold Italian Soups*  
*Japanese Tea Ceremony*  
24 *Aquatic Plant Walk*  
24-30 Denver Allied Artists Show  
26 *Tallgrass Prairie Field Trip*  
26, 27 Summer Concert: Bela Fleck & The Flecktones  
27-29 Chili Harvest Festival  
28 *Wild Grasses Workshop*  
Kidding Around: "Red Hot Chili Pepper Art"

## September

- 1 Lollipopalooza: Joanie Bartels  
3 Summer Concert: Boukman Eksperians  
4 Kidding Around: "Honey of a Deal," at Chatfield  
8 Bonfils-Stanton Lecture: Mark Plotkin

## Lollipopalooza Presents 'The Marching Band Show'

*A wizard is among the performers who entertain before the Children's Summer Concerts.*

Children from 3 to 83 get to join a real marching band Friday, August 5, for the next-to-last Lollipopalooza evening of the Denver Botanic Gardens Children's Summer Concerts.

In fact, there will be three bands in the amphitheater that evening, promising three times the fun. All audience members will be encouraged to get up off their blankets and follow a military band, a Souza band or a Scottish pipe and drum band as the music travels throughout the gardens.

On September 1, the final concert of the series will present Joanie Bartels, winner of two Parents' Choice Awards, and her special brand of audience participation.

The concerts begin at 7 p.m. Check your tickets for rain dates.

Tickets for these events are \$7 for children, \$5 for adults (members) or \$9 for children, \$7 for adults (non-members). They may be ordered by mail, by phone (370-8187, credit card orders only) or in person at the DBG gate house at 1005 York St.





## Petals & Threads Quilt Show Offers Classes, Quilts & Dolls

Among the activities during DBG's third annual "Petals & Threads" Quilt Show and Sale (Friday, September 17, to Sunday, September 19) are several interesting—and useful—classes that will be taught by some of Colorado's major quilters and other fiber artists. By signing up now you (child or adult) can learn how to make charming cloth dolls, including a "straw beary," and a quilt of Colorado wildflowers.

The main feature of the weekend will be the huge quilt sale in the Gardens' John C. Mitchell II Hall. More than one-hundred original quilts in all sizes and styles will be displayed by quilters from across the country. A magnificent collection of 15 quilts, not for sale, will be on loan for DBG's exhibition from *Quilter's Magazine*.

Wearable art will include exquisite, imaginative clothing. Included in the show for the first time will be dolls and miniature quilts.

Other items for sale will be quilting books, materials and supplies. DBG's "Petals & Threads" is considered one of the finest quilters' events in the United States and will attract an exciting convention of artists, vendors and teachers to give advice and share secrets in their craft.

Many attending from other parts of the country will be here for the various challenges (contests). Following the theme "Fruits of our Labors," both quilters and makers of wearable art will compete for cash and merchandise prizes. Quilt winners will be awarded in two categories, judges' choice and people's choice, the latter by a vote of show visitors. Wearable art prizes will be awarded by a panel of judges. Top prize in each category is \$150.

Kids five years old (to 105) can learn to make sock dolls under the tutelage of Janet Kay Skeen. Skeen, founder of Evening Bags Doll Club and an active member of a Boulder, Colorado, wearable art group, loves collecting characters to translate into dolls. The \$13 fee (DBG members) for her Sock Dolls for All Ages class Saturday morning, September 18, includes materials and a good dose of the instructor's sense of humor and flamboyant nature. The fee for Cloth Dolls for Adults (16 and older) Saturday afternoon is \$24 for DBG members.

Instructor Ardith Gray says she has always loved little things. "As a child, the toys I could hide in my pocket or hand were my favorites."

## Green Thumb



# NEWS

### Denver Botanic Gardens September 1993 Number 93-9



She will teach you how to make a Straw Beary, a charming miniature Teddy bear of plush and velvet that would be perfect as a Christmas ornament but would be equally beguiling guarding a small girl's dresser top. No two will be alike. Gray's nearly all-day Saturday class is \$42 for members.

Fiber artist Judith Tomlinson Trager has designed her class, *Colorado Wildflower Crazy Quilt*, especially for this year's show. It costs \$40 for members.

For more information about these classes call 370-8020. For information about "Petals & Threads" call the DBG events line, 370-8187.

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## From the Executive Director

Among botanical institutions throughout the world Denver Botanic Gardens has a reputation for its large, dedicated corps of volunteers. DBG was founded by volunteers, and its unpaid staff remains critical to its ability to provide a wide variety of services. Currently, over 850 volunteers assist the Gardens' professional staff.

For many visitors their only personal encounter at Denver Botanic Gardens or Chatfield Arboretum is the volunteer staff who greet them at the DBG Information Desk or at the Chatfield Visitor Center or who lead them on interesting, educational tours.

These volunteers have assumed the special responsibility of familiarizing themselves thoroughly with the plants, activities and programs at York Street or Chatfield. Thirty-five volunteers staff the DBG Information Desk. One-hundred-five lead tours at DBG and Chatfield. Those at the Arboretum often act as hosts, as well.

To better serve our visitors the information desk staff has participated in customer service training. The guides have received hours of special training and continuing refresher courses in the Gardens' history and its plants and in their field of special interest: Chatfield Arboretum, the Sensory Garden in the Morrison Horticultural Demonstration Center, Boettcher Memorial Conservatory or the York Street gardens. Many volunteer, further, to lead tours at special events for members and the public.

All our volunteers work hard to make it a better Denver Botanic Gardens. On your next visit, please pause to say thank you for the service they are giving to your Gardens.

—Richard H. Daley

## Tributes

### In memory of Sam S. Doida

The Steve A. Holt Family

### In memory of Marion Enright

Fran Enright

Mike Enright & Family

Patsy Barry

### In memory of May Estelle Hartburg

Antique "Pickers" Group

### In memory of Kayo Hidaka

Mrs. Kayo Hidaka

### In memory of Viola Holland

Ms. Fern Colburn

Mr. & Mrs. Harry A. Ells, Jr.

Ms. Mabel C. Hoper

Mr. & Mrs. Kenneth D. Luff

Ms. Gloria P. MacDonald

Ms. Marian McMullen

Mr. & Mrs. Paul E. Reasoner

Mr. Frank E. Rippon

### In memory of

#### Dr. D.H. "Sam" Mitchel

Ms. Suzanne Batchelor

Mr. & Mrs. Robert Ehrlich

Ms. E. June Fennig

Ms. Solange Gignac

Mrs. Ernestine McWilliams & Sons

Ms. Ila Mae Meldrum

Mr. & Mrs. Harry Pharis

Ms. Sandra J. Shaw

Ms. Mary Lou Swinter

### In memory of Elsie Jane Rowe

Ms. Laurie Christensen

### In memory of Maxine Stein

Mr. & Mrs. Robert W. Roney

## Thank You, New Four Seasons Members!

Denver Botanic Gardens would like to welcome the following Four Seasons Affiliates in 1993!

Mr. & Mrs. Dennis E. Baldwin

Mr. E.R. Bigelow

Mr. & Mrs. Bjorn Borgen

Mrs. Frances S. Charsky

Mr. James G. Coors

Mr. & Mrs. Edward P. Connors

Mr. & Mrs. Robert Danos

Mrs. Julia K. Dobbins

Ms. Lynda Goldstein

Mr. & Mrs. Fritz C. Knoebel

Mr. & Mrs. James B. Kurtz

Mr. & Mrs. Allan R. Phipps

Ms. Charyl Solich & Mr. John Kure

Mr. & Mrs. John H. Stamper

Mr. & Mrs. Donald Todd

Mr. & Mrs. Benjamin D. Trevor

Mr. John D. Turner

Ms. Carolyn Vickers

## SCFD Brings Free Days

Funds from the Scientific & Cultural Facilities District will enable all four major Denver cultural institutions to offer September free days:

Every Saturday will be free at Denver Art Museum. Friday, Sept. 3 is free at Denver Botanic Gardens. Saturday, September 4, is free at Chatfield Arboretum. Wednesday, September 22 is free at Denver Zoo. And Friday, September 24, is free at Denver Museum of Natural History.

## Four Seasons Sunshine

Come rain or shine, the Four Seasons Affiliates always come through to support Denver Botanic Gardens.

Although the weather may have been less than perfect, the pre-concert cocktail reception held on June 18 at the home of Morgan and Julie Smith was splendid. Beautiful art, lively conversation, cool refreshments and delicious food only added to the relaxed and inviting ambiance of the party. Julie Smith, hostess and neighbor of the Gardens, proclaimed the party a "smashing success" and was pleased to meet so many devoted Gardens' supporters.

The weather was more generous to the Four Seasons Affiliates on July 13 during the Cherry Hills Garden Tour and Reception. Mr. and Mrs. C. Howard Johnson, Mr. and Mrs. William B. Pauls, and Mrs. J.K. Weckbaugh graciously opened their lovely gardens to the Four Seasons Affiliates and their guests. The tour wrapped up at the lavish garden of Mrs. Thomas E. Taplin for cocktails and hors d'oeuvres.

A wine tasting and evening of jazz is planned for October 7. Cliff Louis of The Vineyard in Cherry Creek North will talk about wines for holiday dining and gift-giving.

Bill Ruckelshaus, chief executive officer of Browning-Ferris Industries and former head of the Environmental Protection Agency under President Reagan, will speak at a luncheon on October 29 to the Four Seasons Affiliates and corporate members.

If you would like information about the Four Seasons Affiliates, please call Rhea Brown, major gifts coordinator, at 370-8030.

—Rhea Brown, Major Gifts Coordinator

## Green Thumb News Number 93-9 September 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for October issue: Aug. 20

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Search for Tropical Medicines Resumes Lecture Series

"Every time a shaman dies, it is as if a library burned down," says tropical ethnobotanist Mark Plotkin. He is speaking in his recent book, *Tales of a Shaman's Apprentice*, of the tribal medicinal knowledge that faces extinction in tropical regions. Young people in many rain forest lands, lured by their recent encounter with modern civilization, are failing to learn and keep alive the plant lore of their elders, especially of the tribal shamans, or medicine "priests." This non-written lore contains clues to modern cures.

Plotkin will speak at DBG Wednesday, September 18, when the 1993 Bonfils-Stanton Lecture series resumes. A professional ethnobotanist, he has been called the "best speaker in the environmental movement." He has spent the past dozen years spearheading a program to reverse the slide toward oblivion of tribal medicinal knowledge. His talk will chronicle his recent work in the Amazon Basin and Costa Rica.

DBG's lecture series continues Wednesday, October 13, with a discussion by author, lecturer and designer Ellen Samuels of the changing roles of women and gardening at the turn of the century.

Beginning about 1890 women on both sides of the Atlantic transformed gardening and the role of women as landscape professionals. In England, romantic flower-filled gardens replaced overstuffed Victorian gardens, as women such as Gertrude Jekyll and Ellen Wilmott experimented with garden design. The United States provided revolutionary new opportunities for artistic expression and employment in garden design.

Samuels, co-author of *The American Woman's Garden*, will tell how friendships and letters shared among women have influenced garden design up to today. She will include recently discovered photographs taken by Beatrix Farrand of Miss Jekyll's gardens at the turn of the century.

The Bonfils-Stanton Lecture Series is sponsored by the Bonfils-Stanton Foundation. The final lecture is November 10: Elizabeth Sheldon on "The Flamboyant Gardener."

Each lecture in the 1993 series is given at 10 a.m. and at 7 p.m. Tickets are \$7 for members and \$10 for nonmembers. For additional information or to purchase your tickets by credit card, please call 370-8020.



Dr. Mark Plotkin discusses hallucinogenic plants with Yanomano shamans on the Brazil-Venezuela border.

## SCFD Champion Rex Morgan Dies

Rex Morgan, who was instrumental in winning legislative and voter approval for the creation of the Scientific and Cultural Facilities District and who was the 1989 winner of the Governor's Award for Excellence from the Colorado Council on the Arts and Humanities, died in July. Known as a generous "people's lobbyist," he was a busy, often behind-the-scenes opinion shaper of social reforms and a member of several cultural and civic boards, including that of the Denver Art Museum.

The Scientific and Cultural Facilities District is comprised of Adams, Arapahoe, Boulder, Denver, Douglas and Jefferson counties. Approved by voters in 1988, at a time of severely reduced governmental support for cultural institutions, it levies a tax of .1 percent to benefit artistic and scientific programs in these jurisdictions.

Denver Botanic Gardens is a major recipient of such funds. DBG, Denver Art Museum, Denver Museum of Natural History and Denver Zoo are considered Tier I institutions within the SCFD and together receive set allocations of the sales tax funds.

These funds have caused a dramatic upsurge in programming by the cultural institutions in the six-county district. In 1992 nearly \$1.8 million of Denver Botanic Gardens' operating support were received from the SCFD.

Morgan was a tireless leader for a better community, and he will be deeply missed by his many friends at Denver Botanic Gardens.

## Tier I Cultural Present Estate Planning Seminars for Women

DBG is teaming up with Denver Art Museum, Denver Museum of Natural History and Denver Zoo to present two seminars on estate planning to women who support the community's cultural institutions. The four major institutions are in the Tier I level of the Scientific & Cultural Facilities District.

The seminars will be offered 9:30 to 11:30 a.m. Monday, September 27, and Tuesday, October 5. Members are invited to attend either day. Refreshments will be served.

The presenters for these seminars will be Yvonne Baca, vice president and trust officer at First Interstate Bank; Katie Conover, president of Conover Investment Council, Inc. and Marcia Chadwick Holt, partner in Davis, Graham & Stubbs.

The seminars will be at the Bank of Cherry Creek, 3033 East First Ave. (across from The Tattered Cover). Parking in the bank's parking structure is free with a validated ticket.

To reserve space in one of these special seminars, or if you have questions, please call Teresa Valdez, 370-8064. When you call please indicate which date you would like to attend and the names of any guests you will bring.



## DBG Training Teachers at Fall Open Houses, Classes for Credit

Denver Botanic Gardens will train teachers of public, private and home schools this fall how to use the resources of the Gardens and Chatfield Arboretum in their curricula.

Open houses for teachers will be offered at York Street Thursday, September 9, and Monday, December 13, 4 to 6 p.m., to acquaint teachers with DBG's school programs, scheduling school visits, its teacher training opportunities and plans for the future.

At Chatfield Arboretum a similar open house for teachers will be held Saturday, September 11, from 12:30 to 2:30 p.m. Teachers will be encouraged to bring their families.

In addition, three classes for continuing education credit through the Colorado School of Mines will be offered.

At Denver Botanic Gardens, there are two classes for credit. *Branch Out: Basic Plant Science for Teachers* on October 2

and 16 for one credit will upgrade teachers' knowledge of basic botany, simple horticulture, environmental ethics and endangered plants. A half-credit course, November Natural Science at Denver Botanic Gardens, November 13 will cover simple propagation and information on using plants in the classrooms. Teachers who attend either class will observe, participate in and take away plant-related projects to use in their classrooms.

At Chatfield Arboretum a one-credit Project WILD and Project Learning Tree course will be available September 18 and 25.

For more information on the open houses and courses for teachers at the Gardens please call Youth Education Specialist Geri Warfield, 370-8043. For information on the Chatfield Arboretum for-credit course, call Arboretum Naturalist Marsha Staughton, 973-3705.



Above, guides train to share DBG's educational resources with visiting teachers and their students.

Right, the Pumpkin Patch at Chatfield will be the center of attention at the annual fall festival October 9.

## Great Pumpkin Fest Returns to Chatfield

DBG's annual Pumpkin Festival at Chatfield will return to the Arboretum Saturday, October 9, to provide metropolitan families with fun and entertainment.

The center of attraction will again be the Pumpkin Patch, which will yield thousands of pick-them-yourself jack-o'-lanterns. A pumpkin painting contest and other craft activities will challenge the creativity of the younger set.

Craft and food concessions, product sampling and give-aways will lend a fair-like atmosphere. Hay rides will take visitors around the Arboretum and back in time.

Plan to celebrate the harvest season the DBG way: at the Pumpkin Festival at Chatfield Arboretum.



## Sept. 1: Joanie Bartels Sing-Along for Kids

The final Lollipopalooza evening in the Denver Botanic Gardens Children's Summer Concerts will bring Joanie Bartels to the amphitheater for a children's sing-along Thursday, September 2. The concert begins at 7 p.m., but the fun starts well before then; the gates open at 6:15.

Winner of two Parents' Choice Awards, Joanie has captured the hearts of children and adults alike with her wonderful music and special brand of audience participation.

Tickets for this happy close to the summer are \$7 for children and \$5 for adults. (For nonmembers they are \$9 and \$7.) For information or reservations call 370-8187 or visit the DBG gate house at 1005 York St.

A special note: Ride the free shuttle buses from the free parking lot at Calvary Temple and get a chance to win tickets to a 1994 concert.

## Denver Foundation Grant Supports Science Programming from DBG

Thanks to The Denver Foundation and the Scientific and Cultural Facilities District, Denver Botanic Gardens will serve many more children with a value-added educational experience. The generous grant and the community support will provide materials and training for teachers and parents to supplement science and geography curricula.

The DBG program will offer classroom preparatory materials, training classes and open houses for teachers, self-guided tours for teachers and parents, and workshops for school groups to enhance the accessibility and educational value of classroom visits to the Gardens.

## Cultural Facilities Directory Goes To Area Schools

Denver Botanic Gardens, other institutions served by the Scientific and Cultural Facilities District and the Rocky Mountain News are collaborating to produce a directory of information about the institutions for schools. The directory will be given free to every public and private school and home school association in the six-county SCFD.

The *Art, Culture and Science Directory for Schools* will provide background on the organizations in the SCFD and specific information about their programs that teachers can use in their classrooms or on field trip visits. Denver Botanic Gardens' Education Department is assisting the project by planning and providing information for the directory and assisting with a "teachers' night out" to publicize it to the educational community.



## Kid's Classes Continue into Autumn

Following the success of the Summertime Kids Program, DBG will continue to offer classes and activities for children this fall. For preschoolers they will be scheduled during the week. For children of school age, the classes will be held on Saturdays or school holidays.

The following classes for children ages 3 and 4 will meet 9:30 to 11 a.m. Monday through Thursday:

- *Nuts About You*, September 20-23, will explore the secrets of nuts and other seeds and how they travel. Children will make seed projects and listen to autumn stories.
- *Leaf It to Me*, October 11-14, will celebrate autumn and the falling of leaves, by creating items using natural autumn materials.
- *Movers and Shakers*, November 1-4, will investigate how animals prepare for cold weather by moving, hibernating and building up fat reserves.

The following classes for children ages 5 to 7 will meet 9:30 to 11:30 a.m.:

- *Flowers Forever*, Saturday, September 11, will explore ways to have flowers blooming long into winter. Kids will take home the beginnings of their own winter garden.
- *Gifts from the Garden*, Saturday, November 6, will use items from the garden in colorful craft projects, for giving or keeping.
- The following classes for ages 8 to 11 will meet 9:30 to 11:30 a.m.:
- *Fall Colors*, Saturday, October 23, will utilize creativity and abundant natural items to create vibrant art projects.
- *Gifts from the Garden*, Thursday, November 11, will take advantage of the holiday to complete colorful craft projects ideal for gifts.
- *A Wondrous Winter Creation*, Saturday, December 4, will produce a winter masterpiece by recycling crayons and using pigments from plants.

## Colorful Fall Foliage for Colorado Gardens

5



Most of us associate fall color with the hardwood forests of the Northeast. Few places on Earth can compare with New England in October. Seasoned Colorado gardeners know that autumn is one of the longest and most gratifying seasons for plants and gardens in our state as well—if you have planned and planted for it.

Our climate may seem given to extremes, but virtually any hardwood that can be grown north of New York City will adapt to appropriate microclimates in the Front Range as well. There are spectacular specimens of sugar maples, for instance, throughout the greater metropolitan area, especially in Boulder. Most of the species of oaks that give such color and character to the Eastern woodlands can be found sparingly in and around Denver. If more pink- and red-coloring oaks and maples were planted in our gardens, our fall color would likely rival that of the Northeast.

As it is, there are usually a few weeks in October when our cities are burnished with yellow and gold: But elms, locusts, ashes, silver and Norway maples, and many variations on poplar can be quite brilliant in the yellow-to-orange range.

If you are considering adding a tree to your property, why not plant one to add red or purple to our scene? 'Autumn Purple' white ash has appeared in Denver in recent years. Its wonderful purple leaves

are suffused with yellow, like smoldering embers.

There are never enough ginalla maples around. They are small, sturdy trees that reliably turn many shades of red, from scarlet to crimson. Nearly every landscape can accommodate some form of sumac, which have a surprisingly showy season of scarlet color that more than justifies their somewhat rambling ways.

The real stalwarts of autumn color, however, are oaks—particularly the scarlet, pin, red and rarely seen white oaks. All have a superlative, long season of fall color in Colorado. The burr and swamp white oaks are quite adaptable here, but both have a more yellow-to-brown fall color than the other kinds.

Oaks can be tricky to establish in dry areas or in alkaline soils, but in loamy soils or sandy substrates they will take hold and grow with greater speed than is usually expected. If you have room for a tree that can approach 100 feet tall, consider an oak. However, you have hope even if you have a small garden: Our native Gambel oak will generally stay below 30 feet tall and can have beautiful fall coloring. It tolerates much hotter and drier sites than the Eastern oaks and doesn't seem to spread at the roots as some people fear.

—Panayoti Kelaidis, Curator  
DBG Rock Alpine Garden

*Quercus  
rubra,  
Red Oak*



# DBG Welcomes New Upper Level Members

## Perennial Partners

Mr. & Mrs. William W. Grant, III  
Mr. & Mrs. Joseph C. Jaudon

## Conservators Society

Mr. & Mrs. H. G. Austin  
Mr. & Mrs. George B. Beardsley  
Mr. & Mrs. Bev Benton  
Mr. & Mrs. Donald D. Estey  
Mr. & Mrs. David Ferguson  
Mr. & Mrs. Dale Frost  
Mr. & Mrs. Bruno Gegenschatz  
Mr. & Mrs. John Gleason  
Mr. & Mrs. George W. Haydon  
Mr. & Mrs. George M. Hopfenbeck, Jr.  
Mr. & Mrs. William Jones  
Mrs. Ruth S. Kobey  
Mr. & Mrs. William C. Kurtz, Jr.  
Mr. & Mrs. J. Hugh Liedtke  
Ms. Carole Mackintosh  
Ms. Jill K. Mazer  
Mr. Douglas McCallum  
Mr. & Mrs. James C. McLin  
Mr. & Mrs. Gerald W. Moore  
Mr. & Mrs. Roger T. Nichting  
Mrs. Charlotte P. Nielsen  
Mr. Wayne Nielsen  
Dr. & Mrs. Richard K. Parker  
Mr. & Mrs. Richard M. Russo  
Ms. Kara Spitler  
Mr. & Mrs. Spier D. Whitaker

## Botanist Club

Mr. & Mrs. Jon Abbott  
Mr. & Mrs. Cyrus G. Allen, Jr.  
Mrs. Edith A. Andrews  
Mr. & Mrs. Robert S. Appel  
Ms. Mary Austin  
Ms. Kali Barranova  
Mr. & Mrs. Paul S. Barru  
Mr. C Thomas Bastien  
Mrs. Jane Baxter  
Dr. & Mrs. Robert N. Berg  
Dr. & Mrs. Elwin Berger  
Mr. Clif Birchman & Ms. Kay Harnaday  
Mrs. Charles Boettcher, II  
Mr. & Mrs. Howard L. Boggs  
Ms. Kathryn A. Bollhoefer  
Mr. & Mrs. Frederick W. Brown, Jr.  
Mr. & Mrs. Marvin W. Buckels  
Ms. Carol A. Buckley  
Mr. & Mrs. Paul W. Burkett  
Mr. Chad Burlingame & Ms. Teresa Poulter  
Mr. & Mrs. Pat Call  
Mr. & Mrs. R.C. Campbell  
Mr. & Mrs. Donald C. Campbell  
Mr. & Mrs. Stephen Carlson  
Ms. Mary M. Castellano  
Mr. & Mrs. Raymond S. Cerney  
Mr. Ned Chamberlain  
Mr. & Mrs. Jack Chase  
Mr. & Mrs. Floyd Ciruli  
Ms. Phyllis M. Clark  
Mr. & Mrs. David Coder  
Mr. & Mrs. Paul Cogeos  
Mr. & Mrs. Thomas H. Cole  
Mr. Michael J. Collins  
Mr. & Mrs. Stephen Conner  
Ms. Natalie D. Conrad  
Ms. Susan Crane & Mr. Gary Prado  
Dr. & Mrs. Scott K. Cunningham  
Mr. & Mrs. Thomas Curcio  
Ms. Dolores Cuthbertson  
Mr. & Mrs. Arthur Davis  
Dr. & Mrs. John K. Davis, III  
Ms. Michele Desilets  
Mr. & Mrs. Roland Detre  
Mr. Kenneth DeVries  
Ms. Cate Dobson & Mr. Hershel Vaughn  
Mr. & Mrs. David A. Doty, Jr.  
Mr. & Mrs. Lewis W. Douglas, Jr.  
Ms. Anne O. Dowden  
Mr. Frank Dowling, III.  
Mr. & Mrs. Harry C. Dowson  
Mr. & Mrs. Philippe Dunoyer  
Mr. Karl Duppen & Ms. Allison Hagood  
Mr. & Mrs. Peter D. Durst  
Mr. & Mrs. Douglas L. Dye  
Mr. & Mrs. Otto Eastland, Jr.  
Mr. & Mrs. Fred Ebrahimi  
Mr. & Mrs. Rocky Eggen  
Dr. & Mrs. Jimmie L. Eller  
Ms. Teddy S. English & Ms. Cynthia A. Weiman  
Mr. & Mrs. Richard Fanyo

Mr. Edwin A. Fenwick  
Ms. Fanchon Finucane  
Mr. & Mrs. Larry S. Fisher  
Mr. & Mrs. George G. Flagg  
Mr. & Mrs. Mike Flanagan  
Mr. & Mrs. Charles T. Flatt  
Mr. Bob Fleming & Ms. Patti Bates  
Mr. & Mrs. Donald Fuerst  
Mrs. Pierpont Fuller  
Mr. & Mrs. John E. Fuller  
Mr. & Mrs. Mark T. Gallagher  
Mr. & Mrs. Melvin M. Gart  
Mr. & Mrs. Caleb Gates, Jr.  
Mr. David A. Gesink  
Ms. Solange G. Gignac & Mr. Alan Huggins  
Ms. Fabian Gilchrist & Mr. James Gilchrist  
Drs. Jerry & Diane Gill  
Mrs. L. Richard Girouard  
Dr. & Mrs. Alba R. Glassburn  
Ms. Laurie S. Glezen  
Ms. Lynn Gonzales  
Mr. & Mrs. Neil L. Guard  
Mr. & Mrs. Nick Gutknecht  
Mr. & Mrs. Daniel Harris  
Mr. James Hawkey  
Mr. & Mrs. Jesse B. Heath, Jr  
Mr. Richard Henry  
Mr. Bernard C. Hoczur  
Ms. Elaine Hodges  
Mr. & Mrs. James V. Holland  
Dr. & Mrs. J. Roger Hollister  
Mr. & Mrs. Thomas G. Hombs  
Mr. & Mrs. Lynn E. Hornbrook  
Mr. & Mrs. Marc Horovitz  
Dr. Kathryn Howell  
Mr. William Huff & Ms. Laura Vogelgesang  
Mr. Jim Hutton & Mr. Vince Hix  
Mr. & Mrs. Douglas Isern  
Mr. & Mrs. Terry Jennings  
Mrs. Cicely G. Kane  
Mr. & Mrs. Robert J. Keating  
Ms. Patricia Kempner  
Mr. & Mrs. Robert A. Kevan  
Ms. Nancy Allen-Key  
Mr. & Mrs. Arthur W. Kidder  
Ms. Emily J. Kilpatrick  
Ms. Diane Kirkham  
Mr. & Mrs. Alexander Kirkpatrick  
Mr. & Mrs. Bill Kirts  
Ms. Karen A. Kishbaugh  
Ms. Doris Kleppinger  
Ms. Frances A. Koncilja  
Dr. & Mrs. David Kumpe  
Mr. & Mrs. James Kurtz  
Mr. Fred Langille & Ms. Rita Barreras  
Mr. & Mrs. Fred Larkin  
Mr. & Mrs. David A. Larson  
Col. & Mrs. Arthur Larson  
Mr. & Mrs. Steven P. LaTourrette  
Mr. & Mrs. Robert E. Lee  
Mr. & Mrs. Bruce R. Lenell  
Mr. & Mrs. Joey A. Lerner  
Mr. Tom Levin & Ms. Fern Portnoy  
Mr. & Mrs. Yale H. Lewis  
Mr. & Mrs. Jeff Litman  
Ms. Barbara C. Lockhart  
Mr. & Mrs. Stanley L. Loftness  
Hon. & Mrs. John A. Love  
Ms. Lucy C. MacDonald  
Mr. Cam MacMillan, III  
Mr. Roy Maddox  
Ms. Cleo Madrill  
Ms. Shirley Mahorney  
Mr. & Mrs. Pat Malone  
Mr. & Mrs. Hugh W. Manchester  
Ms. Cecelia L. Matson & Mr. Jack Armitage  
Mr. & Mrs. Jim McCotter  
Mr. Matt McCoy & Ms. Danica Larson  
Mr. & Mrs. Malverne McGee  
Mr. & Mrs. Forrest E. McGrath  
Mr. & Mrs. David McMahan  
Mr. & Mrs. William H. Meyer  
Mr. & Mrs. Steven Miles  
Ms. Laura R. Moffitt  
Mr. & Mrs. John C. Mitchell, III  
Mr. & Mrs. Robert Moline  
Mr. Chris A. Moore & Ms. Cynthia Leaverton  
Mr. Steven G. Moore & Ms. Buffy Collison  
Mr. & Mrs. Richard P. Myers  
Ms. Alida Near  
Mr. & Mrs. William D. Neighbors  
Mr. & Mrs. Myron D. Neusteter, Jr.  
Mr. & Mrs. Norman A. Newton  
Mr. & Mrs. Van N. Nichols  
Mr. & Mrs. Michael L. Nichols  
Mr. & Mrs. Alan Nies  
Mr. & Mrs. Leigh H. Norgren

Mr. & Mrs. Phillip Norrish  
Mr. & Mrs. Bill O'Connell  
Mr. & Mrs. Ron F. Olivett  
Mr. & Mrs. Dave Olson  
Mr. & Mrs. John Osborn  
Mr. & Mrs. Fred W. Pardee  
Mr. & Mrs. Richard C. Parvin  
Ms. Sandy Peletier & Mr. Keith Bruce  
Mr. & Mrs. Kennard P. Perry  
Mr. & Mrs. Eric Peterson  
Mr. & Mrs. Donald C. Peterson  
Claire Purcell, Ph.D.  
Mr. & Mrs. Gerald H. Phipps  
Ms. April L. Pluss  
Ms. Andrea S. Pollack  
Mr. & Mrs. Russell Pomeroy  
Mr. & Mrs. Dennis J. Powell  
Ms. Marsha Pruett  
Mr. Malcolm Purdy  
Mr. & Mrs. Mark Reardon  
Mr. & Mrs. Mark C. Reese  
Mr. & Mrs. Ray Rendoff  
Dr. & Mrs. Kenneth Reynard  
Mr. & Mrs. Robert Reynolds  
Ms. Cheryl A. Richmond  
Dr. & Mrs. Conrad M. Riley  
Dr. & Mrs. John F. Roberts  
Mr. & Mrs. Robert Rothweiler  
Mr. & Mrs. David H. Russell  
Mr. Ron A. Sarno & Ms. Stascie Ranniger  
Ms. Joanna Sassaman & Mr. Antje Lear  
Mr. & Mrs. Mark Sather  
Mr. & Mrs. Harry J. Schmidt  
Mrs. Elizabeth Schmitz  
Ms. Patricia A. Schueller  
Ms. Mary S. Schultz  
Mr. & Mrs. Richard Segro  
Ms. Martha A. Seiler  
Ms. Margaret C. Shannon  
Ms. Brenda Shea & Ms. Catherin Griffith  
Mr. & Mrs. David Sheldon  
Ms. Norma Shultz  
Mr. & Mrs. Irving Shwayder  
Dr. & Mrs. Stan Siefer  
Dr. & Mrs. John Simon  
Mr. & Mrs. W.W. Sinclair  
Mr. & Mrs. Bob Smedley  
Ms. Mary S. Smith  
Mr. & Mrs. Herbert H. Smith  
Mr. Charles B. Smith  
Dr. Peter K. Spence  
Mr. & Mrs. Joseph Sprinkle  
Mr. & Mrs. John Stansbury  
Ms. Elizabeth M. Steele & Ms. Betty Brightwell  
Mr. J. Brian Stockmar & Mr. Eric Adams  
Dr. & Mrs. Jack O. Stoffel  
Mr. & Mrs. Jerome R. Strickland  
Mr. & Mrs. William Styler  
Ms. Carol Svendsen & Mr. Jay Mead  
Dr. & Mrs. Nicholas L. Taro  
Dr. & Mrs. E. S. Taylor  
Mr. & Mrs. J. William Tempest  
Mrs. Marjorie G. Temple  
Mr. & Mrs. Nick Thomaidis  
Mr. & Mrs. Charles I. Thompson  
Ms. Jody Thomson & Mr. James Thompson  
Mr. Andrew M. Toft  
Mr. Theodore J. Tonti  
Mr. & Mrs. A. Sheffield Tulp  
Mr. & Mrs. Joseph VanAndel  
Dr. & Mrs. Peter A. Vargas  
Mr. William Vitek & Ms. Laurel Raines  
Mr. & Mrs. E. Lance Walker  
Ms. Carol Wallman  
Mr. & Mrs. Theodore Washburne  
Dr. Valerie Wassill  
Mr. & Mrs. Tom Wells  
Ms. Bonnie M. West & Mr. Arthur Hall  
Ms. Beverly Williams  
Mr. & Mrs. James E. Wilson  
Mr. & Mrs. James T. Wilson  
Mr. & Mrs. Ken Woo  
Ms. Shirley Wood  
Mr. & Mrs. Rike D. Wootten  
Mr. & Mrs. Richard W. Wright  
Mr. & Mrs. Samuel C. Wu  
Mr. & Mrs. John F. Yost  
Ms. Helene Youmans  
Mr. & Mrs. Wallace Zellmer



## From Your Membership Office— Gardens' Goblins Await You!

From 4 to 6:30 p.m. Sunday, October 31, Denver Botanic Gardens will become a haunted habitat for young halloween monsters. "Goblins in the Gardens," a members-only event, will feature many activities for kids of all ages.

Admission is \$2.50 for adults and \$4 for children under 12. Make your reservations by Friday, October 22; they are limited.

Look for a "Goblins in the Gardens" flyer and reservation form in the October issue of the Green Thumb News. For information or early reservations please call Amy Capra at 370-8021. Members interested in assisting with this event should contact Joedy Arnold at 370-8049.

### Movie Matinee Day

Join fellow members and their families in Mitchell Hall Saturday, September 4, at 2 p.m. for *The Muppets Take Manhattan*, a delightful film fantasy, with Miss Piggy and the rest of the Muppets gang, that takes place amid the bustle and excitement of New York City. Admission is \$1. Popcorn and lemonade are 50¢ each. All ages are welcome to this members-only movie!

### Behind-the-Scenes Tour

DBG members at upper levels will soon receive their invitation to a fascinating behind-the-scenes look at DBG's production greenhouses. Members at the \$50 level or higher will enjoy refreshments and the musical entertainment of guitarist Janet Fedor in the Lobby court.

The next evening behind-the-scenes will be Thursday, September 23, from 5:30 to 7:30 p.m. Reservations are required. Please call Amy Capra, 370-8021.

### Breakfast and Tour for Botanist Club Members

Members at the Botanist Club (\$120) level or above will rise and shine on Monday, September 13, for a continental breakfast on the terrace of Botanic Gardens House, 909 York St., and a tour of the York Street Gardens in the glory of early morning. Breakfast will be served at 7 and the tours will begin at 7:45. Please RSVP to 370-8021 by Sept. 10.

## Members' Free Plant Dividend Day

Mark Sunday, September 12, on your calendars now. As a member of Denver Botanic Gardens you will be entitled to pick up your annual free plant dividend at the Gardens.

To claim your free plant, bring your membership card to the patio outside the Gift Shop between 9 a.m. and 4 p.m. One plant will be awarded for each membership number. Quantities are limited so please come early for the best selection.

For more information, call Amy Capra, 370-8021.

Both indoor and outdoor plants will be available for your selection. Here's what will be in store for you (Information on how to grow your plant will be available at the event):

### Indoor plants

Lady Ann anthurium, *Anthurium* 'Lady Ann' (white)  
Lady Jane anthurium, A. 'Lady Jane' (pink)  
Meyers asparagus fern, *Asparagus densiflorus* 'Meyers'  
Jade plant, *Crassula argentea*  
Selby homalomena, *Homalomena wallisii* 'Selby'  
Kitchingia, *Kalanchoe uniflora*  
New Guinea impatiens, *Impatiens* x  
Giant granadilla, *Passiflora quadrangularis*  
Bat-leaf passionflower, *P. coriacea*  
Silverette xanthosoma, *Xanthosoma* sp. 'Silverette'  
Flowering maple, *Abutilon pictum*

### Outdoor plants

Red maple, *Acer rubrum*  
Common horse chestnut, *Aesculus hippocastanum*  
Leopard's-bane, *Doronicum caucasicum*  
Dwarf winged euonymus, *Euonymus alata* 'Compacta'  
Northern Sun forsythia, *Forsythia* 'Northern Sun'  
Bressingham Hybrids coralbell, *Heuchera bryoides* 'Bressingham Hybrids'  
White Sails Siberian iris, *Iris* 'White Sails'  
Wideleaf sea lavender, *Limonium latifolium*  
Shell pink balloon flower, *Platycodon* 'Shell Pink'  
James Kelway painted daisy, *Pyrethrum coccineum* 'James Kelway'  
Mme. Florent Stepman lilac, *Syringa vulgaris* 'Mme. Florent Stepman'  
Nannyberry, *Viburnum lentago*  
Java Red weigela, *Weigela* 'Java Red'



## Rock Garden Seminar Draws 300 to DBG

Colorado is proving to be a natural destination for the world's rock gardeners. The annual meeting of the American Rock Garden Society drew nearly 300 registrants to Denver Botanic Gardens for a reception the evening before the meeting in Vail, Colorado. Rock garden and alpine plant fanciers from Australia, New Zealand, Canada, Scotland, England and all parts of the United States gathered for refreshments, renewed friendship and a look at DBG's renowned Rock Alpine Garden June 23.

The meeting was cosponsored by DBG, the American Rock Garden Society, its Rocky Mountain chapter and the Vail Alpine Garden Foundation. This was the third national meeting here since DBG's Rock Alpine Garden was dedicated June 1, 1981.

## Employee of the Month

A relative newcomer to the Gardens was honored by her fellow employees as DBG's July employee of the month. In just one year Customer Service Supervisor Pat Matthews has won over everyone with her ever-ready smile and pleasant "very customer-service oriented" personality. As DBG's new liaison with the City telephone center she has shown remarkable leadership in straightening out a problem communication area for the Gardens.

She was also cited for the initiative she has shown, in addition to managing the gate house and information desk, in assuming the duties of Special Events Assistant. Thanks, Pat, and congratulations!





# SEPTEMBER

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the fall *Education Programs* quarterly, or call 370-8020.

- 1 Lollipopalooza: Joanie Bartels
- 3 Summer Concert: Boukman Eksperyans
- 4 Kidding Around: Honey of a Deal, at Chatfield
- 7 \* *Botanical Illustration I*  
☼ *Chatfield Arboretum Tours*
- 8 Bonfils-Stanton Lecture: Mark Plotkin  
\* *Introduction to HT Part I: Theory, Practice & Program Development*
- 9 ☼ \* *Beginning Watercolor Painting — An Introduction to Landscape Mushroom Workshop*  
\* *Landscape Plants for Professionals: Part II*
- 11 *Fall Pruning Techniques*
- 12 *Behind-the-Scenes Greenhouse Tour*  
*Japanese Tea Ceremony*  
*American Peppers & Tomatoes with Herbal Pestos*
- 13 *Autumn Antics in Your Garden*  
\* *Drawing from Nature*
- 14 Colorado Greenhouse Growers Perennials Workshop  
\* *Conservatory Guide Training*
- 15 \* *Landscape Plant Materials*  
\* *Watercolor Painting*

- 16 \* *A Beginner's Look at Plants*
- 17-19 Petals & Threads Quilt Show
- 18 *Sock Dolls for Kids of All Ages*  
*Cloth Dolls for Adults*  
*Straw Beary*
- 19 *Colorado Wildflower Crazy Quilt*  
*Pineapple Passion*
- 20 \* *Gardening in the Shade*  
*Edible & Poisonous Rocky Mountain Fruits*
- 22 ☼ *Harvest Moon Picnic*  
\* *Intro. to HT Part II: People with Disabilities*
- 23 *Advanced Botanical Illustration Workshop*  
\* *Beginning Bonsai*
- 25 Kidding Around: An Apple a Day  
*Fall Composting*  
\* *Orchids for Beginners*  
☼ *Wonderful Waterfowl*
- 26 *International Pasta Cooking*  
*Japanese Tea Ceremony*
- 29 *Windowsill Herb Garden*
- 30 \* *Natural Style Flower Arranging*

## Grammy Award Nominee from Haiti Closes Concert Season



Friday, September 3, Grammy Award nominee Boukman Eksperyans will present the final evening in the exciting 1993 Denver Botanic Gardens/Colorado Public Radio Summer Concert Series. This Haitian band has electrified audiences nationwide, on stage and through their recording.

The DBG audience will hear their beautiful Creole vocal harmonies of traditional Vodou and rassa music as well as the more contemporary Caribbean and American influences the band incorporates into its concerts.

For credit-card tickets to this must-hear finale call 370-8187. Or pick them up at the DBG gate house at 1005 York St. Tickets are \$10 for members, \$13 for nonmembers.

**Check out our special program of  
Autumn Classes for Kids — page 5**





## The Hill Foundation Challenges Members: 100 Four Seasons Affiliates or Bust!

Denver Botanic Gardens is pleased to announce a challenge grant from The Hill Foundation to increase the number of DBG's Four Seasons Affiliate members to 100 by December 31. For every new member of the Four Seasons Affiliates, the foundation will give \$500 to the Gardens. As this issue of the *Green Thumb News* goes to press, the Four Seasons Affiliates number 82, and growing!

Four Seasons contributions are critical to the Gardens' annual fund, which supports the quality education and horticultural programming we've all come to respect and enjoy. The greatest benefit of joining the Affiliates is the satisfaction of knowing that a gift of \$1,000 or more each year makes a big difference in furthering the Gardens' mission. These generous supporters also enjoy a tour of the loveliest gardens in Cherry Hills, wine tasting with Cliff Louis of The Vineyard, lunch with former EPA director Bill Ruckelshaus, a spring cocktail reception hosted by the Board of Trustees and an invitation to a holiday party during the Gardens spectacular "Blossoms of Light" celebration.

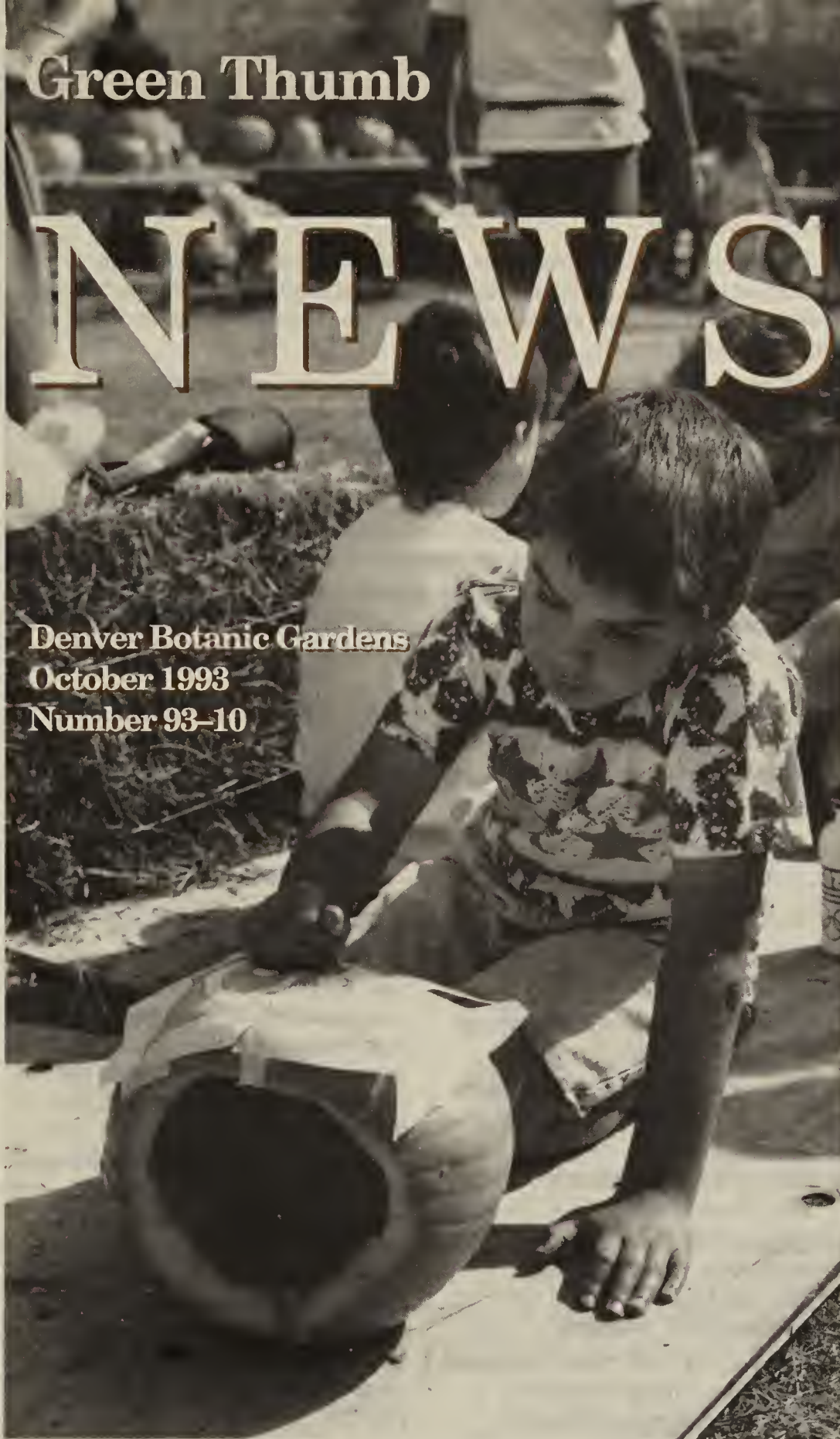
If you are interested in learning more about the Four Seasons Affiliates program, please call Rhea Brown, major gifts coordinator, 370-8030. Your help in reaching that magic 100 will be greatly appreciated.

To the trustees of The Hill Foundation, a warm thank you for your support.

## Green Thumb

# NEWS

Denver Botanic Gardens  
October 1993  
Number 93-10



## Pumpkin Festival at Chatfield Arboretum Old-Fashioned Family Fun

Denver Botanic Gardens' Pumpkin Festival at Chatfield Arboretum, Saturday, October 9, promises old-fashioned family fun for all ages.

Children will have a chance to pick their own Halloween pumpkin from the arboretum's famous two-acre Pumpkin Patch. (They will be priced according to size.) Then they can paint it decoratively and enter it in a pumpkin painting contest sponsored by Keebler Co. Kids can have their picture taken with Keebler's popular Ernie the Elf.

Other activities especially for children will be story reading, face painting and the opportunity to visit with costumed animal characters.

The Pumpkin Festival is an exciting harvest-time fair. Booths will offer Indian corn, home baked goods, dried flowers, honey, baskets, pumpkin carving tools, metal sculptures and other goods of "old-time" nature. You will also see demonstrations of corn shelling, apple pressing and other country crafts.

The Front Range Antique Power Association will have a large display of antique power equipment, including a fire engine, and will give hay rides between the parking lots and the Pumpkin Patch.

Celebrity disk jockeys from radio station KOOL-105 (KXKL AM and FM) will broadcast from the arboretum during the event. There will be drawings for DBG memberships, KOOL t-shirts, bumper stickers and other prizes. The station is sponsoring this year's Pumpkin Festival.

Participating, also, will be DBG's Master Composters, with an interesting display on those underground friends of all gardeners, worms.

Hours will be 10 a.m. to 4 p.m. Admission will be free, but there will be a \$2 fee to park in the arboretum during the festival. For more information call DBG's events line, 370-8187.

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## From the Executive Director

One of our goals this year has been to make the educational and recreational experience at Chatfield Arboretum more enjoyable and more widely available.

With funds from the Scientific and Cultural Facilities District we installed new signs at the entrance and throughout the arboretum to help visitors find their way around. A new welcome sign will dispense the visitor guide brochure.

New handouts explain the Polly Steele Nature Center and the Kim Sterne Survival Garden, and the visitor guide was revised to include a more accurate map.

This year the arboretum has been open seven days a week. Opening on Mondays, adding tours on Wednesdays and scheduling a free day the first Saturday of the month, April through October, has helped make Chatfield more accessible to more visitors.

New plantings include a second perennial garden at the visitor center, perennials and heirloom vegetables at the Hildebrand Farm and additional species in the xeriscape demonstration area and the Kim Sterne Survival Garden.

Autumn is a beautiful time to get out into the country. The annual DBG Pumpkin Festival at Chatfield Saturday, October 9, will provide the perfect opportunity for you and your family to visit and enjoy the arboretum's improvements for yourself.

*Richard H. Daley*

## Tributes

**In memory of Linda Campbell**  
Dr. & Mrs. Joseph Broughton

**In memory of Gloria Falkenberg**  
Dr. & Mrs. Joseph Broughton

**In memory of Sylvia Greenstone**  
Mr. & Mrs. Ray White

**In memory of May Estelle Hartburg**  
Mrs. Joyce Thode

**In memory of Viola Holland**  
Mr. & Mrs. Robert W. Hite  
Ms. Joyce Luff  
Ms. Martha T. Vermont

**In memory of D.H. "Sam" Mitchel**  
Dr. & Mrs. Joseph Broughton  
Dr. & Mrs. Moras L. Shubert  
Ms. Laurie R. Glenn  
Dr. & Mrs. R.E. Willie  
Mr. & Mrs. Theodore G. Zibales  
Ms. Marie L. Farr  
Ms. Florence M. Werth  
Mr. & Mrs. Fred Iacino  
Ms. Marilyn Shaw

**In memory of Ruth Porter Waring**  
Ms. Betty P. Broadhurst  
Mr. & Mrs. John C. Mitchell II

**In memory of Charlotte I. Davis**  
Mr. & Mrs. John C. Mitchell II

**In memory of E. William Andrews**  
Mr. & Mrs. John C. Mitchell II

## You Make a Difference!

The end of the year is a special time for Denver Botanic Gardens members. It is a time when you can help shape the future education and horticulture programming at the Gardens through a year-end, tax-deductible contribution.

Making this gift to the Gardens is like contributing to several educational, cultural and social service organizations—all at once! The love-liness and variety of the Gardens, the classes, the concerts, the field trips, the horticultural therapy and the lectures are just a few of the programs you will enrich through your gift.

You count at Denver Botanic Gardens! Any gift, large or small, is greatly appreciated. Because now, more than ever before, the annual fund is critical to the future of the institution, we would like to encourage you to make a contribution of \$75 or more by offering you a special botanical thank you. Look in your mail the week of October 15 for more information about our year-end campaign. And remember, you *do* make a difference.

## Chatfield Arboretum To Be Open Year-Round

DBG's Chatfield Arboretum will remain open during the winter months this year, the first time the public will have to enjoy the rural woodland setting in one of its most beautiful seasons. Hours will be 9 a.m. to 5 p.m. Monday through Saturday.

Activities and classes for adults and children will be scheduled, so participants can take advantage of the arboretum's special winter offerings: lots of animal tracks in the snow and dormant tree buds—and peace and quiet. There are no more tranquil pathways near the city than those at Chatfield Arboretum.

If you would like more information, please call Naturalist Marsha Staughton, 973-3705.

## Employee of the Month

Adam Lucas, Utility Worker at Chatfield Arboretum, is DBG's August employee of the month. He was recognized by his peers for his willingness to always do more, more, more.

The high degree of enthusiasm he shows for his work and his initiative in tackling assignments seems to rub off on everyone around him. He has been a great stabilizing force in the arboretum staff and infects others with his positive attitude.

Thanks, Adam, and congratulations!

## Green Thumb News Number 93-10 October 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206  
Editor: Larry Latta, 370-8033  
Deadline for November issue: Sept. 17

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## Gerald Phipps, Conservatory Constructor, Dies

Gerald Phipps, an early friend of Denver Botanic Gardens, died August 6. Phipps was president of Phipps Construction Company, whose innovative methods and generosity helped build DBG's award-winning Boettcher Memorial Conservatory in the mid-1960s. Later, it built the DBG Education Building.

According to long-time trustees Moras Shubert and John Mitchell, when architect Victor Hornbein drew up the daring design for the conservatory, "He was not particularly concerned about how it would be constructed." The hyperbolic arches that form its framework were entirely new concepts. Contractor Phipps had to invent techniques to carry out Hornbein's design.

It seemed wise to use concrete, rather than metal, to hold the panes of clear Plexiglas. Phipps' solution was to pour the steel-reinforced beams in place. His company built amazing scaffold-supported forms for one-half the building, then turned the forms around to pour the other half.

The major financial support for the conservatory was donated by Boettcher Foundation. Phipps' contract held that if the construction cost came in below the bid price, Denver Botanic Gardens would pay only the actual cost. Surprisingly, Phipps brought the project in below the bid.

Additionally, when the conservatory was finished, Phipps donated an additional \$100,000 to the Gardens.

## SCFD Supports Free Days at Cultural

Funds from the Scientific & Cultural Facilities District help support the following free days at area cultural institutions in October for Colorado residents:

- Saturday, October 2, at Chatfield Arboretum;
- Thursday, October 21 at Denver Zoo;
- Saturday, October 30, at Denver Museum of Natural History;
- Every Saturday at Denver Art Museum.

## Ellen Samuels To Speak on Women's Role in Landscaping

The Bonfils-Stanton Lecture Series will bring one of America's major garden historians, Ellen Richards Samuels, to DBG Wednesday, October 13. Samuels will examine women's role in shaping the look of English and American gardening from the Victorian Era into the mid-20th Century, when a stiff, overstuffed style gave way to the romanticism that influences our gardens today.

Her talk, "Sisters of the Spade," will be given twice, at 10 a.m. and 7 p.m. It will include recently discovered photographs that Beatrix Farrand took of the garden of Gertrude Jekyll—England's pre-eminent female Victorian gardener—at the turn of the century.

Landscape architecture became the first design profession hospitable to educated American women. Notable early practitioners were Beatrix Farrand, Marian Coffin, Annette Hoyt Flanders and Ellen Shipman. Farrand was a founder in 1899 of the American Society of Landscape Architects.

Samuels is co-editor, with Rosemary Verey, of *The American Woman's Garden*. She is currently working on a biography of early 20th century landscape architect Ruth Dean. She has also published several articles on garden history.

Tickets to the lecture are \$7 for members, \$10 for nonmembers. Please order from the DBG education office, 370-8020.

The DBG gift shop and Helen Fowler Library will be open for your convenience the evening of the lecture.

## New Corporate Members

Denver Botanic Gardens gratefully acknowledges its newest corporate members:

OEA Inc.  
Jordon Perlmutter & Company  
Dixon Paper Company

If corporate members need a beautiful place to hold their annual meeting, they should call Teresa Valdez, 370-8064. She can help with arrangements and explain other benefits of DBG Corporate Memberships.

## Fall Classes for Kids

Two October classes at the Gardens offer children an opportunity to learn about the natural world around them during the autumn season. To register, or to get information about these and other classes, call the education office, 370-8020.

Children ages 3 and 4 can learn about autumn by participating in a class, *Leaf It to Me*, Monday through Thursday, October 11 through 14. They will make articles from leaves and other materials, enjoy fall snacks and listen to stories about autumn. Class will be 9:30 until 11 a.m. in Classroom A. Cost is \$40 for members, \$45 for nonmembers.

Children 8 to 11 years old should bring their enthusiasm and creativity to *Fall Colors*, a class on Saturday, October 23. The 9:30 to 11:30 a.m. session will allow students to pursue art projects using natural materials; they will complete an autumn story illustrated with their work. Cost is \$15 for members, \$18 for nonmembers.

*An expanded schedule of classes and other activities, such as Kidding Around, are turning children on to the Gardens year-round.*





Scenes to help  
you Picture a  
Great Garden  
await at nearly  
every turn.



## Photo Workshop Available, Contest Deadline Near

The deadline for DBG's "Picture a Great Garden" photo contest is drawing near: Entries must be received by 5 p.m. October 15. If you would like details, call 370-8187 or drop by the DBG gatehouse at 1005 York St. for a brochure that recounts how you can enter.

In conjunction with the contest, Robert Waxman Camera & Video is conducting a workshop at the Gardens to help you learn how to take better photos of flowers and garden scenes. DBG members' cost for the four-hour workshop is \$12. It includes classroom instruction with valuable camera tips and two hours out in the Gardens practicing what the Waxman instructor has taught you. Persons attending the class will receive a coupon for free developing of an eight-by-ten color print. Non-members will pay \$15. Call 623-1200, extension 745, to register or for more information.

You can win great prizes, in either the youth or adult divisions of the contest, thanks to generous sponsors. Waxman has donated a Pentax PZ10 SLR camera system with a retail value of about \$800 as the first prize for each division. Second prize is Medallion color photo finishing from Robert Waxman Camera & Video for a whole year (up to 26 rolls of film). And third prize is a DBG Arbor Circle Membership that would make a great gift. (You can also use it to extend your own membership for a year.)

You've seen the exciting "Picture a Great Garden" public service announcement on Channel 7—Colorado's 7 KMGH-TV. You can join the excitement created by KMGH, Pentax and Waxman. But you have to enter soon!

## Families Go Batty at DBG October 23

Families can come to the Gardens Saturday, October 23, to learn a bit about bats. The day's free Kid-ding Around program is Batty About Fall. You can drop in anytime from 10 a.m. to 2 p.m. for the program.

Generally misunderstood—so they seem a little spooky—bats fill an important role in the environment. With their parents' help, children will work on a batty art project and receive instructions for building a bat house.

## DBG Art Teacher 'Best of Denver'

Oksana Ross, who teaches art classes at Denver Botanic Gardens, was chosen best art teacher in Westword newspaper's popular annual "best of" awards. Quoting from one of her students, the paper points out, "She's never intimidating or condescending, and what she really likes is to bring out the artist in anyone."

Ross is also an art historian, lecturer and pianist, but her favorite activity is helping her students discover the artistic talent and appreciation they may not have realized they had. She also has taught at Denver Free University, University of Colorado at Denver and the Pratt Institute, New York University.

For information on Ross' *Drawing from Nature* class or other classes at the Gardens, call 370-8020.

## DBG's Elliott to Address National Community Gardening Conference

Denver Botanic Gardens Community Gardens Coordinator Judy Elliott will lead a workshop titled "Master Composter Programs—and How to Create a Compost Network" at the national conference of the American Community Gardening Association.

The theme of the conference, which will be held in Louisville, Kentucky, October 1 through 4, is "Saving Ground: Sustainable Communities Through Greening." It will focus on activities such as community gardening, neighborhood beautification and volunteer involvement in neighborhood revival and how they improve the quality and economic vitality of communities.

Also attending the conference will be DBG Community Outreach Coordinator George Brinkmann.

## Recertification Credits Available for Teachers

Teachers of grades K to 12 are invited to attend a training session at the Gardens October 2 and 16 that will increase their confidence in and enthusiasm for using plants in their classrooms. *Branch Out: Basic Plant Science for Teachers*, from 8 a.m. to 4:30 p.m. each day, will include lectures and fast-paced hands-on activities. Teachers will take home ideas, projects and information to share with their students and colleagues.

One graduate level recertification credit is available.

For information, contact Youth Education Specialist Geri Warfield, 370-8043. To register, call the Colorado School of Mines, 273-3303.

## Benefit Cotillion at the Gardens Oct. 15

DBG will hold a Garden Cotillion the evening of Friday, October 15, in cooperation with Jon D. Williams Cotillions. Dance instruction will be under the direction of Mr. and Mrs. Jon D. Williams III and Mr. Ward S. Sear.

Tickets are \$100 per couple. The class, which begins at 7 p.m., will be limited to 50 adult couples. Light refreshments will be served.

If you would like to gain confidence on the dance floor and, at the same time, do a good turn for the Gardens, you may make reservations at 370-8012.





## Classes to Design & Run Accessible, Bountiful Greenhouse

Two classes offered this fall should appeal to greenhouse growers and to persons contemplating the addition of any sort of greenhouse space.

Both are taught by Shane Smith, founder and director of the Cheyenne Botanic Gardens. Smith is nationally known for his people-oriented greenhouse design and for implementing techniques that help gardeners of all abilities. A registered horticultural therapist, the author of two books on greenhouses, a national lecturer, and an avid gardener, he also writes a garden column and hosts a weekly radio program in Cheyenne. His latest book is *Greenhouse Gardener's Companion* (Fulcrum Press, Golden, Colorado).

Thursday, October 14, he will share ideas to help your greenhouse or sun space—even if it's in your living area—produce fresh fruit, vegetables and flowers in abundance. The class, *The Bountiful Home Greenhouse*, is at 7:30 p.m. and costs \$5 for members, \$6 for nonmembers.

Saturday, October 16, from 9 a.m. until noon, he will be joined by DBG Horticultural Therapist Rebecca Haller to present *The Well-Tuned, Accessible Greenhouse*. You can learn how and why to design and lay out an indoor growing space to best meet the needs of you and your plants, in free-standing or attached greenhouses or sunny living areas. The fee is \$15 for members and \$18 for nonmembers.

To register for either class or to receive more information call 370-8020.



Left, DBG Community Gardens Coordinator Judy Elliott received the 1993 individual Recycler of the Year award from Mark Vail, President of Colorado Recycles.

Right, a late-summer scene in DBG's Laura Porter Smith Plains Garden

## Author, Photographer Oster to Speak on Japanese Gardens

Garden writer Maggie Oster will present a talk and slide show, "Reflections of the Spirit: Japanese Gardens in America," Monday, November 15 at 7 p.m. in John C. Mitchell II Hall. Oster recently published a book by the same title, and both her insight and her magnificent photographs have drawn praise from reviewers. (see p.11)

A prolific writer, Oster has photographed and written about horticulture for over 15 years. She is also the producer and host of a monthly television show, "Maggie's Garden."

The lecture is \$5 for DBG members and \$6 for nonmembers and is jointly sponsored by the Gardens and Japan America Society of Colorado. Please call the education office, 370-8020, to reserve your space.

## DBG Holiday Sale Coming in November

The annual DBG Holiday Sale will be Friday and Saturday, November 19 and 20. An enticing preview of new holiday items and old favorites will appear in the November *Green Thumb News*.

## Marty Jones to Speak on Sagebrush Ecology

Marty Jones, garden director of the Betty Ford Alpine Gardens in Vail, Colorado, will speak on "Salvaging the Sagebrush" at the 1993 Carl W. Tempel Wildflower Lecture Monday, November 1.

Sagebrush lands hold beautiful, diverse wildflower communities, yet they are often overlooked and underappreciated. Jones will discuss how they are being used to revegetate roadside areas outside of Vail with transplanted communities. His program, illustrated with outstanding photographs, offers to enhance our awareness and appreciation of the sagebrush communities.

"Salvaging the Sagebrush" will be at 7 p.m. in John C. Mitchell II Hall, 1005 York St.

The annual Carl W. Tempel Wildflower Lectures are free. They were inaugurated in 1979 to honor Major General Carl W. Tempel, a noted wildflower enthusiast and photographer.





If you grow hardy waterlilies, here are some tips on how to store them over winter. The information is provided by Joe Tomocik, the curator of Denver Botanic Gardens' award winning waterlily collection.

There are three basic requirements: Plants must be allowed to remain dormant by keeping them cool (50° F, maximum); they must be kept moist; and their roots must not be allowed to freeze.

If your pond is less than 18 inches deep, or if it must be drained for the winter, you must remove your potted plants for the season. After the first frost, prune off dead leaves and stems, place the pots in plastic bags to retain moisture, and merely store them in a cool basement location. If you don't have a suitable place indoors, you can bury the pots outdoors, making sure the tops are at least 18 inches below the surface of the soil. Mulch them with 18 to 24 inches of straw or pine needles to keep the plants from freezing.

You can also remove the rhizomes from their pots. Clean off all leaves stems and roots, being careful not to damage the new eyes or offshoots on the central rhizome. Pack the cleaned rhizomes in damp peat moss in plastic bags, then bury them outdoors below the frost line or store them in a cool basement.

## **Garden Writers Proctor, Springer to Lecture**

Two of the region's top gardening writers will lecture at DBG this month.

Saturday, October 16, Rob Proctor and Lauren Springer will give a slide show, "The Avant Gardener," that will explore daring approaches to color, form and texture and innovative garden design. You will be able to see what has worked for others before you take your own bold departure from tradition.

The two-hour presentation begins at 9:30 a.m. The fee for members is \$9; for nonmembers it is \$11.

Then Tuesday, October 26, Proctor will solo in a lecture on how to enjoy the pleasures of potted bulbs in all seasons. You will learn how to prepare and grow both tender and hardy bulbs in and around your home. Proctor will also autograph copies of his new books, *The Indoor Potted Bulb* and *The Outdoor Potted Bulb*. They are available in the DBG gift shop.

The fee for this lecture is \$7 for members, \$8 for nonmembers. It begins at 7 p.m.

Proctor and Springer are nationally known horticulturists and co-authors of the weekly "Front Range Gardeners" column in *The Denver Post*.

For information on their lectures, call 370-8020.

## **Cool Autumn Days Ideal to Plant, Relax**

I always seem to forget that frost can occur some places in the Denver area as early as September. But covering tomatoes or tender annuals one or two nights often means many weeks of food and color when the weather turns warm again, even in October.

This means that early fall, with cooler days and nights, is also a particularly good time to plant perennials in our climate: They are less apt to be stressed by hot sun; it's especially comfortable to work outside in the day; and there's still time for the new plants to "take hold" before the winter turns severe. So now is a good time to renovate some corner of your garden.

Most perennials are sold in containers. There is no reason why you cannot plant those from gallon pots, or even 4-inch containers, right up to hard frost—even later if you remember to keep them watered during dry spells and mulch them lightly with compost or leaves. Most will establish themselves quite well through our changeable but usually open early winter. However, I find that plants in smaller pots need a few more weeks to establish firmly, and don't recommend planting them out much after early October for best success.

Most Colorado gardeners tend to be tidy. While I admire a neatly edged lawn and trimmed shrubs in the summer months, Autumn is a time to enjoy a few wispy grasses, seedheads and other casual dishevelment. Reserve your heavy trimming and cutting back for the late winter months when you can walk out over the frozen beds on warm days and not damage the soil. Besides, you will have something to look at during our long weeks of fall.

Autumn should be a time to relax and enjoy your garden's maturation: I plant more and more fall-blooming plants because of this. Asters, gentians, goldenrod, zauschnerias, phytolias, crocosmias, colchicums, true autumn crocus, plumbago, schizostylis, lobelias, cyclamen—the list grows longer every year. Combined with the clumps of magnificent ornamental grasses that come to fruition this time of year, you can have a season of great interest equalling spring or the height of summer. This is a season when gardens grow softer, subtler, touched by the brush of a Rembrandt. Relax and enjoy.

—Panayoti Kelaidis,  
Curator, DBG Rock Alpine Garden



Denver Botanic Gardens invites you and your family to a special *members-only* thrilling, chilling evening full of spine-tingling Halloween surprises!

# GOBLINS IN THE GARDENS



**Sunday, October 31, 1993**

4 to 6:30 p.m. • *Come in costume—or else!*

- ☞ Haunted Garden Trail
- ☞ Fang-tastic Food & Monster Munchies
- ☞ Funky Face Painting
- ☞ Creepy Crafts for Kids
- ☞ Fabulous Fortune Telling
- ☞ Ghastly Ghost Stories & Ghoulish Games



## 1993 GOBLINS IN THE GARDENS RESERVATION FORM

Reserve a spooky spot for you and your children or grandchildren by **Monday, October 25**. Reservations are limited.

The cost is Adults \$2, Children (3-15) \$4.50, Children (under 3) Free.  
10 ticket limit per membership.

Please make your check payable to Denver Botanic Gardens.

Mail to: *Goblins in the Gardens* • Denver Botanic Gardens • 909 York Street • Denver, CO 80206



Name \_\_\_\_\_

Membership I.D. \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zip \_\_\_\_\_

VISA/MC # \_\_\_\_\_

Expiration date \_\_\_\_\_ Signature \_\_\_\_\_

Total Enclosed \$ \_\_\_\_\_ • No. of children attending \_\_\_\_\_ • No. of adults attending \_\_\_\_\_

**For telephone reservations please call Amy Capra 370-8021.**







## From Your Membership Office— New Member Party

New members are invited to attend an exciting evening at the Gardens for the fall New Member Party: BJ Dyer, owner of Bouquets, will give a presentation on "How to Create Beautiful Floral Arrangements for the Holidays." There will also be music, dessert, and indoor tours of the conservatory. The party will begin at 7 pm. For reservations, or if you have questions, please call Amy Capra, 370-8021.

## Dollar Movie Matinee

Join us in Mitchell Hall Saturday afternoon, October 2, at 2 p.m. for "Bedknobs and Broomsticks," the classic animated and live-action film starring Angela Lansbury. Admission is just \$1 apiece, and popcorn and lemonade are 50¢ each. All ages are welcome to this members-only matinee.

## Goblins in the Gardens

A spooky, kooky evening awaits you! Join us Sunday, October 31, from 4 to 6:30 p.m. for an exciting Halloween celebration! Look for your "Goblins in the Gardens" flyer and reservation form in this issue of the Green Thumb News, and make your reservations! Family and friends will be sure to have a Great Goblin time! For telephone reservations, please call Amy Capra at 370-8021.

## Gesneriads Sparkle at DBG in October

October seems to be the month for plants in the gesneriad family to sparkle at DBG. Two events will showcase these beautiful, interesting tropical plants.

Saturday, October 9, is the annual fall African violet sale by the Rocky Mountain African Violet Council. Hours to buy African violets in all sizes and an amazing array of colors are 9:30 a.m. to 5 p.m. For information call 258-7698.

Saturday and Sunday, October 23 and 24, the Gloxinia Gesneriad growers will hold their annual show and sale. Many genera in the family will be exhibited. Hours are noon to 5 p.m. Saturday and 9 a.m. to 4 p.m. Sunday. For information call 750-9317.

# Belize Nature Expedition February 11-20, 1994

Join your fellow Denver Botanic Gardens members in a journey to the perfect mid-winter destination—Belize.

This little-known tropical paradise is only two hours flying time from Houston. Your group will be accompanied by Barbara Baldwin and Jim Henrich, DBG's Director of Horticulture. You will explore lush tropical rainforests, majestic Mayan cities, subtropical pine savannas, mangrove swamps and marshes along the coast.

Belize is a land of natural wonders and ecological diversity that teems with plants and wildlife. There are over 500 species of birds and 250 varieties of orchids. From the misty pine covered mountains and dense jungles to the world's second largest barrier reef, Belize offers an unprecedented opportunity to experience a wealth of unspoiled tropical environments.

### Highlights

- Crooked Tree Wildlife Sanctuary
- Tikal National Park
- Caracal excavations
- A leisurely canoe trip on the Macal River
- Guanacaste Park
- The Maya site of Lamanai
- A local naturalist guide, throughout
- Excellent accommodations
- All meals included
- A pre-departure party, and much more



Space will be strictly limited to 18 persons. Cost is \$2498, including airfare, based on double occupancy (\$415 single room supplement). A \$300 deposit, fully refundable up to December 11, 1993, less a \$25 administrative fee, will secure your reservation. Final payment is due December 11.

Any questions? Call Barbara Baldwin, 783-0010, or Rhea Brown, 370-8030. Optional barrier reef diving extensions are available.

Please reserve \_\_\_\_\_ places for the Belize Nature Expedition, February 11-20, 1994. A deposit check for \_\_\_\_\_ (\$300 per person) is enclosed, or please charge to my credit card. \_\_\_\_\_ AX \_\_\_\_\_ MC \_\_\_\_\_ Visa

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Telephone: Home \_\_\_\_\_ Work \_\_\_\_\_

Spouse or roommate's name \_\_\_\_\_

Signature \_\_\_\_\_

Cost of tour is \$2498 including airfare and a tax-deductible donation of \$125 to Denver Botanic Gardens. Final payment is due December 11. Make check payable to Denver Botanic Gardens. Send Attn. Barbara Baldwin, 909 York St., Denver, CO 80206.





# SUMMER Scrapbook



*On these pages are a few souvenirs of summer 1993 at Denver Botanic Gardens.*

*Top, Shofu-en provided a restful retreat for many of DBG's visitors, in addition to demonstrating one of the world's classic gardening styles.*

*Above, future reader collected a book at Story Reading at the Gardens.*

*Far left, artisans' booths at the Chile Harvest Festival drew large crowds to view and buy the fine works of Colorado's and New Mexico's top artisans.*

*Left, a swordsman was one of the exciting performers at the Japanese Festival.*





*Top left, DBG's Lollipopalooza children's concerts were pure fun. Especially exciting was The Marching Band Show, with the chance to join one of three bands marching through the Gardens.*

*Above, thousands of children received books at Story Reading at the Gardens, sponsored by the Rocky Mountain News.*

*Above, summer officially began with DBG's annual Plant & Used Book Sale.*

*Right, the Chile Harvest Festival featured non-stop entertainment by over a dozen groups, including a stunning performance by Aztec dancers.*



Right, the music of the Klezmar Conservatory Band during the KCFR-DBG concert season had the audience on its feet dancing, as did many of the "world music" bands featured in this year's series.

Far right, Smokey Bear and some assistants planted a blue spruce during the Arbor Festival at Chatfield Arboretum.

Below, "Aerogami" and other activities preceded the Lollipopalooza concerts.



# SUMMER Scrapbook

Far right, Children took advantage of a performance at the Gardens by the cast of The Secret Garden to ask questions about theater life.





## Greenhouse Gardener's Companion

by Shane Smith. Fulcrum Publishing, Golden, Colorado. SB415.S6758Gr. 1992. \$19.95.

This comprehensive volume is aptly named. If you have a greenhouse or other sunny indoor space for flowers or food plants—or if you are contemplating building one—you will want to keep Smith's book by your side. You will return to it time and again for guidance as you progress from novice to expert grower.

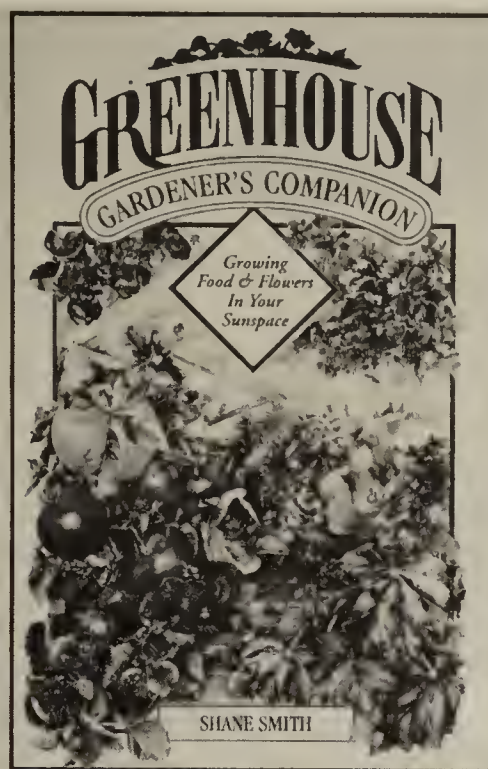
As a former greenhouse gardener, at home and professionally, I read it with great interest: Would Smith share all the small but important insights into the craft of greenhouse growing that I and others had had to learn by experience and, often, disaster? It seems that other writers on the subject are only interested in describing the wonderful plants that you can grow indoors. At the opposite end are those that are equipment- and technology-happy. Both kinds give short shrift to helping you run and enjoy your sunny environment.

It was pleasant to find that this author covers it all: how to know when plants need water, why good ventilation is important, how to order plants and seed by mail, how to design your space and place your plants to take advantage of seasonally changing sunshine—whatever subject you need information on, Smith has included it in his book. Importantly, he explains why as he tells you how-to. As well, over 300 food plants, ornamentals and herbs are described.

Fortunately, for such a large treatise, the author leads you with informal, down-to-earth prose. His years of experience in teaching (he's a registered horticultural therapist and a founder and director of the Cheyenne Botanic Gardens, which conducts many hands-on, community based gardening programs) have eliminated from Smith's vocabulary the jargon often assumed by "human services" professionals.

*Greenhouse Gardener's Companion* is easily digestible. Dozens of tables, quick-to-grasp side bars and clear layout make it easy to use. Very pleasantly surprising was finding the chapter openings were beautifully rendered illustrations by Colorado artist Carolyn Crawford.

—Larry Latta



## Reflections of the Spirit, Japanese Gardens in America

by Maggie Oster. Studio Books, New York. SB458 .08 1993. \$40.

The design of this book has rare beauty. It is as elegant as the gardens pictured between its covers. The antique gold endpapers faintly reflect a rice paper motif. The table of contents is distinguished by vertical Chinese-red banners printed with white letters, anchored with the page numbers. A large, magnificent photograph and Japanese calligraphy introduce each chapter. In the sources section, maple leaves in muted colors float on a soft, warm, gray background.

In the introduction, author Maggie Oster emphasizes the need for each of us to withdraw occasionally from life's fast track to a quiet, serene place, contemplate our place in the universe and renew our spirit. The Japanese garden, as it has evolved over the past 1,300 years, provides this atmosphere. Gardens of Japanese reveal their deep reverence for all forms of nature—animate and inanimate.

Oster's message is conveyed through both her text and her photographs of some of America's most distinguished botanical gardens. She recommends that, as you read, you study the photographs well. In addition, visit the public gardens near you. Note the elements of the gardens you admire, such as water features, plants, ornaments, rocks and structures. You may borrow these even if you don't understand the philosophy behind them. As the author says, "Few Westerners reflect upon the universe while beholding a rock, but most of us can appreciate a rock's beauty by itself and how it is placed in a garden."

If your ambition is to create your own haven of serenity and peace, the first two chapters will start you on your way. The five established styles of gardens are presented in the next chapters. The design of the hill and pond garden, or tsukiyami, came from China by way of Korea in the seventh century. The other styles—the courtyard; dry landscape, or stone; teahouse; and tree and walk, or stroll, styles—borrowed heavily from it.

The closest Japanese garden for you to visit is most likely Denver Botanic Gardens' delightful *Shofu-en*, Garden of Pine Wind, in the chisen-kaiyushiki (wet garden with promenade) stroll garden style. DBG members, fortune has smiled on you! What better way to learn about Japanese gardens than to visit *Shofu-en*, with Oster's book in hand.

The final section of *Reflections of the Spirit* covers the elements of design. The importance of each and its effective use is presented in stunning photographs and clear text. The natural elements—rocks, water and plants—are of primary importance. The traditional treatment of flowers is of special interest: Although greatly revered, they are never displayed in a flamboyant manner: Individual flowers, or small groups, are tucked among the shrubs and trees to be discovered by the viewer.

Japanese gardens are not low maintenance. If you do not consider pruning, shaping and weeding to be artistic expressions, perhaps you should not create your own private refuge. But your appreciation and enjoyment of America's great Japanese style public gardens cannot help but be enriched with the addition of this book to DBG's Helen Fowler Library.

—Velma Disbrow,  
DBG member and volunteer

DBG's *Shofu-en*,  
Garden of Pine  
Wind





Denver Botanic Gardens, Inc.

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OCTOBER

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the fall *Education Programs* quarterly, or call 370-8020.

- 2 *Close-up Flower Photography*  
*Holiday Ornaments from Wheat & Straw*  
*Potpourri Workshop*
- 3 *Herbal Gifts from Your Harvest*
- 6 *Creativity with Dried Flowers*  
\* *Introduction to HT Part III: Programming*
- 7 *The Colorful Water-Smart™ Garden*
- 9 *Pumpkin Festival at Chatfield Arboretum*  
*African Violet Council Fall Sale*  
*Harvest Bouquet*  
*Key Basket*  
*Tree Walk at Fairmount Cemetery*
- 10 *Behind-the-Scenes Greenhouse Tour*
- 11 \* *Holiday Ornaments from Wheat & Straw*
- 12 \* *Water-Smart Gardening™*
- 13 *Bonfils-Stanton Lecture: Ellen Samuels*
- 14 *The Bountiful Home Greenhouse*
- 16 *The Avant Garden*  
*The Country Swag*  
*The Well-Tuned, Accessible Greenhouse*

- 16 ☼ \* *Fall Nature Photography*  
*Hen Basket*  
*Pioneer Graves at Fairmount Cemetery*
- 17 *Bromeliad Workshop*
- 19 \* *Botanical Illustration II*
- 20 *Everlasting Exchange*
- 23 *Kidding Around: Batty About Fall*  
*Forcing Bulbs*  
*Harvest Cornucopia*  
☼ *Raptors—Oh, Those Birds of Prey*  
*Fall Wreath: Wheat & Roses*
- 23, 24 *Gloxinia Gesneriad Growers Show & Sale*
- 25 \* *Beginning Landscape Architecture*  
*The Uninvited House Guest*
- 26 *Potted Bulbs for All Seasons*
- 27 *Ornamental Grasses*  
\* *Watercolor Painting*
- 28 \* *Beginning Bonsai*
- 30 \* *Edible Weeds*

See the  
tropical  
rainforest  
first hand;  
join DBG's  
expedition  
to Belize.  
(See p. 7)





## DBG's Unique Holiday Sale November 19, 20

Denver Botanic Gardens' Holiday Sale, a one-of-a-kind fall shopping experience, will be November 19 and 20 this year.

In one place and at one time you will be able to prepare for all your 1993 Thanksgiving and Christmas decorating and gift giving. The DBG Gift Shop, Lobby Court and John C. Mitchell II Hall will be generously stocked with ornaments—handmade and manufactured—for every taste and loaded with gifts for every person you wish to acknowledge with hostess, housewarming or holiday gifts.

### For Gardeners, Botanists & Other Nature Lovers

For DBG members it will be an especially pleasant sale because all items have been chosen with gardeners, botanists and other nature lovers in mind.

It is the one place where you can buy the handcrafted ornaments, household decorations and potpourri items made by the talented volunteers of the Gift Shop. And where else will you find the flavored vinegars brewed by volunteers of the DBG Guild? Or the honey specially bottled by the Chatfield Arboretum volunteers?

These items are unique to DBG and draw thousands of shoppers to the sale each year.

But the sale will also bring together an amazing range of items gathered from companies around the globe. The theme for the sale is "Santa"—so Santas will be available in an astonishing array of styles and sizes. Add a Santa a year to build a clever, never-to-be-completed collection for holiday decorating.

### Gifts for Kids, Bird Lovers, Book Lovers & Flower Arrangers

The selection for children's gifts is especially large this year: Wooden toys, creative activity books, space toys, puzzles, kaleidoscopes and Venus fly trap plants are just part of the inventory. The sale offers intriguing items for every age. The live plant section will also include cacti and bromeliads.

Bird lovers will find bird houses, bird feeders and bird books. For the flower arrangers on your list there is a nearly endless supply of needle-point holders, wire and tape, as well as flower snips and containers of every description.

## Green Thumb

# NEWS

Denver Botanic Gardens  
November 1993  
Number 93-11

Gift books will be especially appealing. Several styles of books for flower collectors, complete with plant presses to help flatten and dry flowers and leaves, will be on the shelves, as well as garden journals, diaries and calendars.

### Natural Goods, Finished & Raw

Perhaps the natural goods are the most intriguing to new members.

The creativity demonstrated in the finished decorations by the "potpourri workshop" volunteers under the leadership of long-time Gift Shop volunteer Avalonne Kosanke are famous. They should also inspire you to try your own hand at creating unique decorations from nature.

The raw materials for thousands of decorative items will be available, including hanks and hanks of dried

flowers in every hue gathered over the year by volunteers in the DBG Guild. If you have imagined that fall and winter dried-flower arrangements must necessarily be created in browns and greys, come to the Holiday Sale for a surprise.

For the first time there will be a supply of party paper goods and gift wrap. But the 1993 sale offers too many "first-time" items to list.

The sale is a major fund-raiser for the Gardens, so support by members is important. No matter what the weather on November 19 and 20—you will want to make a visit to the Holiday Sale a priority on your pre-holidays agenda. If you find the selection overwhelming, here's good news: Gift certificates are available.

(Please see pages 4 and 5 for more on the Holiday Sale.)



Hand-crafted  
sisal angel

### Inside:

*'Blossoms of Light'*  
page 3

*Sheldon Lecture*  
page 4

*Orchid Show*  
page 4

*Holiday Sale*  
page 4

*"Picture a Great  
Garden" Photo  
Exhibit*  
page 6

*Kidding Around*  
page 6

*Horticulture  
Therapy*  
page 7



## From the Executive Director

November and December seem to be the busiest months for many of us. Family, social and business functions arise with increasing frequency to vie for our decreasing time.

I'd like to encourage you to take time during this busy season to seek respite in the beauty of Denver Botanic Gardens. This is a wonderful time to visit *Shofu-en* or the Laura Porter Smith Plains Garden at York Street. Both, in their subtle ways, attain an especially peaceful loveliness in fall and winter. And, of course, Boettcher Memorial Conservatory is a most captivating tropical place to visit when the weather outdoors is less than hospitable.

This year, for the first time, Chatfield Arboretum will be open for visits during the winter, so you can enjoy a peaceful stroll through it, snow or shine. You will encounter interesting and beautiful scenes.

And there will be lots of DBG activities throughout the fall and winter—the "Picture a Great Garden" photography exhibit; the Bonfils-Stanton Lecture Series; the "Kidding Around" family nature events; the African violet, gesneriad and orchid shows; the Holiday Sale; and, certainly, the dozens of events and concerts during "Blossoms of Light."

So whether its a quiet stroll by yourself or an exciting outing with out-of-town family or friends, please remember to take time to enjoy all that your Denver Botanic Gardens has to offer.

—Richard H. Daley

## Employee of the Month

Congratulations to employee of the month Amy Capra, coordinator of membership events and on-site sales. Hers is an important component of the DBG membership program.

Amy's cheerful and professional manner with volunteers, professional colleagues, visitors and members is a model example of quality customer service. Her coworkers say, "Thank you, Amy, for your ever-present smile and positive attitude. DBG is fortunate to have you representing the organization."

## 12 Months of Flowers—Free

Watch your mail to find out how to receive 12 months of flowers—free!

This year DBG is making a special offer to donors who contribute \$75 or more by December 31. If you give at this level or above, you will receive *1994 Blossoms*, a beautiful framed desk calendar filled with botanical illustrations for every month of the year! So watch your mail for more information on how you can support the Gardens and receive 12 months of flowers, free.



## A Corporate Friend of the Gardens

Denver Botanic Gardens proudly profiles one of our most dedicated and supportive business partners: The Gates Corporation

Headquartered in Denver, The Gates Corporation consists of several smaller companies, of which the most widely recognized is the Gates Rubber Company. Gates Rubber Company is the largest non-tire rubber products company in the United States and the seventh largest in the world. Since 1911 when Charles Gates Sr. bought the Colorado Tire and Leather Company for \$3,500, the Gates Corporation has grown to over 14,000 employees, serving customers throughout the world. Sales have grown to over \$1 billion a year.

## SCFD Free Days at DBG, Art Museum & Zoo in November

Funds from the Scientific & Cultural Facilities District will make possible free days at Denver Botanic Gardens, Sunday, November 7; at Denver Zoo, Friday, November 19; at Denver Art Museum, every Saturday.

## Tributes

### In honor of Mr. and Mrs. Rollin D. Barnard

Mrs. Thomas E. Taplin

### In honor of Dolores Gurley

Mr. & Mrs. Michael O'Brien

### In memory of E. William Andrews

Mr. & Mrs. John C. Mitchell II

### In memory of Mary Lawrence Barrows

Mr. & Mrs. Gilbert Y. Marchand

### In memory of Linda Campbell

Dr. & Mrs. Joseph Broughton

### In memory of Charlotte Davis

Mr. & Mrs. Walter Dieter

Mr. & Mrs. John C. Mitchell II

### In memory of Sylvia Greenstone

Ms. Josephine Walters

Mr. & Mrs. Kory White

### In memory of Viola Holland

Ms. Lucey E. Kissell

Ms. Helen Hulstein

Ms. Ruth M. Ketelsen

Ms. Emerald K. Mitchell

Ms. Charlotte Bechtold

Mr. & Mrs. Robert Hoper

Mrs. Elsie M. Hoper

Ms. Elaine Holland

Ms. Clarice D. Hoper

Mr. & Mrs. James L. Ogilvie

### In memory of Irene Meacham

Ms. Susan C. Brooks & Neighbors

### In memory of Gerald Phipps

Mrs. Thomas E. Taplin

Dr. & Mrs. Moras Shubert

### In memory of Rev. John F. Willson

Ms. Janis Borton

## Green Thumb News Number 93-11 November 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for January issue: Nov. 19

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





# BLOSSOMS 'Fantasy' to Sparkle at Gardens OF LIGHT December 11 through January 1

Denver Botanic Gardens' traditional "Blossoms of Light" will be joined again this year by Denver Zoo's Wildlights under the media sponsorship of Colorado's 7 KMGH TV. Together the two holiday lighting displays will be billed as "Colorado's 7 Holiday Fantasy."

DBG's "Blossoms of Light"—a delightful family affair of music, entertainment, lights and flowers—will be 6 to 9 p.m. nightly, December 11 through January 1. DBG's Lobby Court will be chock-full of pink and white poinsettias, a 15-foot Christmas tree decorated with silver and gold stars and bows. New outdoor light displays will feature movement and music, and each evening will feature an outdoor performance by choruses, dancers, bell ringers or other musical groups.

The performances are free, included in the gate fees, which are \$3 for adults, \$2 for people 62 and older, \$2 for children 6 through 15, and free for children under 6 and for DBG members. A donation of new warm clothing—mittens, scarves, gloves, hats or socks—or nonperishable food will qualify visitors for a \$1 discount on future admission to either DBG or Denver Zoo. The donated items will be given to regional charities.

## Teddy Bear Teas

What would the holidays be without DBG's Teddy Bear Teas? These Saturday ceremonies have become a tradition for children, parents and grandparents.

This year there will be six sessions of good fun, food and dress-up party

atmosphere. December 11 children, their teddy bears and guests will be entertained by musician-storyteller Eric West, December 18 by magician Earl Reum.

## Holiday Concerts

In addition, five special, ticketed Holiday Concerts will be presented in John C. Mitchell II Hall on Tuesdays and Thursdays:

- December 14 Lannie Garrett and her big band will feature the sounds of Cab Calloway, Chick Webb, Louis Jordan, Harry James and others.
- December 16 Colorado's premier jazz ensemble, Wind Machine, will perform; the group's recordings reveal it to be a tasteful and sensitive interpreter of traditional and classical Christmas music as well as its original works.
- December 21 is a double header featuring fun bluegrass music by Southern Exposure. The concert opener is Emmee Award winning singer-songwriter Jim Salestrom.
- December 23 the concert will be by James Van Buren, legendary Kansas City jazz and blues vocalist, and his band.
- December 28 will be a special family show, Play-Ground Theatre: Music, Magic & Mischief—a great holiday wind-down of interactive theater for all ages.

Please see the special "Blossoms of Light" insert in this issue for ticket information for the Holiday Concerts and Teddy Bear Teas. You may order by phone or at DBG's 1005 York Street entrance. For more information, call 370-8187.

# 'Blossoms' Schedule

**Herald the Season**  
(members only)

December 8, 9 & 10

**Opening Ceremony**  
December 11

**Teddy Bear Teas**  
December 11 & 18

**Holiday Concerts**  
December 14, 16, 21, 23 & 28

## Lunch with Bill Ruckelshaus

On Friday, October 29, 1993, Bill Ruckelshaus, former EPA administrator and chairman and Chief Executive Officer of Browning-Ferris Industries, spoke on the topic of "Sustainable Development: What it means for America" in John C. Mitchell



II Hall from 11:30 a.m. to 1:00 p.m. This luncheon event was a benefit for our corporate members and major donors. Ruckelshaus, one of the world's experts on environmental concerns, elaborated on the topic of his speech:

"Decades of unbridled growth, without respect for or fear of the environmental consequences, has left scars and billions of dollars in clean-up costs for American society. One alternative to yesterday's practices is 'sustainable development', in which economic growth and environmental protection are complementary, rather than antagonistic, forces. This concept has important implications not only for America, but also for developing nations striving to raise their standard of living."

Mr. Ruckelshaus is a *cum laude* graduate of Princeton University with a Harvard law degree. His long commitment to public service includes the following: Deputy Attorney General of Indiana, the Indiana House of Representatives, acting director of the FBI, Assistant Attorney General in charge of the Civil Division for the Department of Justice, and the first administrator for the Environmental Protection Agency.

The Gardens was privileged to welcome Ruckelshaus to Denver. In keeping with our concern for the environment, we enjoyed hearing about his vision of a partnership between economic growth and environmental protection.





## Vail Garden Director To Lecture On Sagebrush

Marty Jones, director of the Betty Ford Alpine Garden in Vail, Colorado, will speak on "Salvaging the Sagebrush" at Denver Botanic Gardens Monday, November 1. The free talk, the Gardens' 1993 Tempel Wildflower Lecture, will be at 7 p.m. in John C. Mitchell II Hall.

Jones will discuss how sagebrush and its native companion plants are being used to revegetate sites disturbed by construction near Vail. His program, illustrated with outstanding transparencies, offers to enhance our awareness and appreciation of sagebrush communities.

No reservation is necessary.

Both the Helen Fowler Library and the DBG Gift Shop will be open before the lecture for your convenience. Call 370-8020 for more information.

## Fall Orchid Show To Display 'Fairest Flowers'

The Denver Orchid Society will hold its fall orchid show, whose theme is "Fairest Flowers of the Season," at Denver Botanic Gardens Saturday and Sunday, November 13 and 14. Besides artistically arranged displays of fall-blooming orchid plants, the society will also offer plants for sale.

Hours of the show are 9 a.m. to 5 p.m. each day. For more information call show chairman Carol Smith, 466-5863.

## Children's Classes on Winter, Pomanders

Children 3 and 4 years old can explore how plants, birds and other animals prepare for cold weather in a DBG class Monday through Thursday, November 1 to 4. "Movers and Shakers," will meet from 9:30 to 11 a.m.

Older children can enroll in "Gifts from the Garden" and learn to make pomanders—decorative spiced oranges—and picture frames and wreaths. Pomanders require four to six weeks to cure and will be ready to use in time for the holidays. "Gifts from the Garden" for students 5 to 7 years old will meet on Saturday, November 6. For students 8 to 11 the class is Thursday, November 11, DPS holiday for Veterans' Day. Both sessions are 9:30 to 11:30 a.m.

To register or for more information call 370-8020.

## DBG Calls for Entries for '94 Sale Poster Competition

Denver Botanic Gardens is soliciting entries for its 1994 Plant and Used Book Sale fine art poster competition. The winning artist will receive a \$1,500 cash award, 200 copies of the limited edition poster and exhibition of the winning art work at Savageau Gallery.

The competition is open to residents of the six counties in the Scientific and Cultural Facilities District: Adams, Arapahoe, Boulder, Denver, Douglas and Jefferson. Subject of the art should be botanical or horticultural in nature. Paintings must be 18 inches by 24 inches, vertical format, and done in acrylic, oil or egg tempera.

Deadline for entering the competition is January 1, 1994. Interested artists should call 370-8076 for information, rules and an entry form.

## Award Winning Author Sheldon to Speak: 'Flamboyant Gardener'

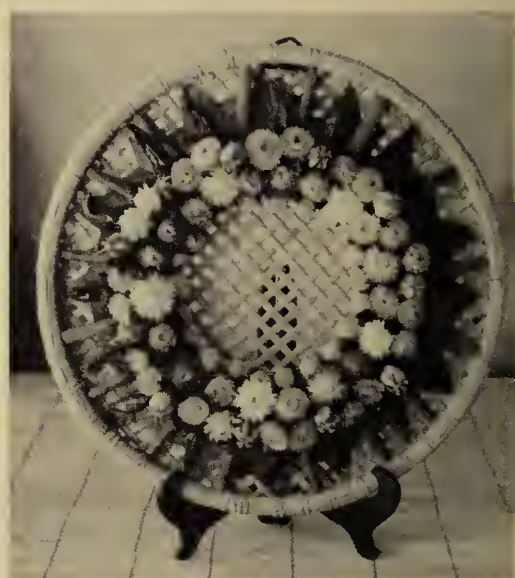
Elizabeth Sheldon, garden designer and award-winning garden writer, will close the 1993 Bonfils-Stanton Lecture Series Wednesday, November 10, with her presentation on garden color, "The Flamboyant Gardener." She will speak at 10 a.m. and 7 p.m. in John C. Mitchell II Hall.

Sheldon's book, *A Proper Garden* (Stackpole Books, 1989), received critical acclaim and two awards from the Garden Writer's Association of America. In it her topics ranged from "Hardy Geraniums" to "Averting Chaos." Her talk at DBG will further explore her bold thoughts on what is proper in the garden, especially in regard to vivid colors.

If you are ready to escape from pastels and wish for stronger floral hues, join Sheldon on November 10 before you embark on your gardening adventure, to get a taste of the possibilities.

Tickets are \$7 for members, \$10 for nonmembers.

Both the Helen Fowler Library and the DBG Gift Shop will be open before the lecture for your convenience. Call 370-8020 for more information.







Denver Botanic Gardens



# BLOSSOMS OF LIGHT

**December 11 - January 1**  
6 to 9 p.m.

**Lighting Ceremony • Saturday, December 11 • 6 p.m.**

## Holiday Concerts

Tuesday, December 14 • *Lannie Garrett and her big band*

Thursday, December 16 • *Wind Machine* \* Tuesday, December 21 • *Southern Exposure & Jim Salestrom*

Thursday, December 23 • *James Van Buren* \* Tuesday, December 28 • *Play-Ground Theatre*

## Teddy Bear Teas

Saturday, December 11 • Entertainment by Eric West, Musician/Storyteller

Saturday, December 18 • Entertainment by Earl Reum, Magician



**Denver Botanic Gardens**

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# Denver Botanic Gardens Blossoms of Light 1993

Colorful, twinkling lights; magical displays; musical entertainment; and holiday refreshments—the holiday season is aglow at Denver Botanic Gardens.

## Holiday Concerts • 7 p.m.

Denver Botanic Gardens is pleased to present the second annual Holiday Concerts. Fill your holiday season with music!

**Tuesday, December 14 • *Lannie Garrett and her big band***

**Thursday, December 16 • *Wind Machine***

**Tuesday, December 21 • *Southern Exposure & Jim Salestrom***

**Thursday, December 23 • *James Van Buren, rhythm & blues***

**Tuesday, December 28 • *Play-Ground Theatre, family show***

## Teddy Bear Teas

Children (recommended ages: 3-10) are invited to bring their favorite doll or teddy bear—along with their favorite adult or two—to these winning modified high teas. For further information, call 370-8187.

### Registration Form

Mail and walk-in orders available after November 8 at Denver Botanic Gardens' ticket window, 1005 York St., Tuesdays - Saturdays, 9 a.m. - 5 p.m. No refunds or exchanges.  
For Teddy Bear Teas, please indicate 1st and 2nd choices of time and date by using the #'s 1 and 2 in the boxes.  
Please make checks payable to Denver Botanic Gardens.  
Please enclose a self-addressed, stamped envelope with all mail orders.

	# of Tickets	Member Price	Nonmember Price	=	Total
Holiday Concert • Tuesday, Dec. 14 • <i>Lannie Garrett and her big band</i>		\$8	\$9	=	
Holiday Concert • Thursday, Dec. 16 • <i>Wind Machine</i>		\$8	\$9	=	
Holiday Concert • Tuesday, Dec. 21 • <i>Southern Exposure &amp; Jim Salestrom</i>		\$8	\$9	=	
Holiday Concert • Thursday, Dec. 23 • <i>James Van Buren</i>		\$8	\$9	=	
Holiday Concert • Tuesday, Dec. 28 • <i>Play-Ground Theatre</i>		\$5	\$6	=	
<b>Teddy Bear Teas</b> • Saturday, Dec. 11 • <i>Eric West, Musician / Storyteller</i> <input type="checkbox"/> 11 a.m. <input type="checkbox"/> 1 p.m. <input type="checkbox"/> 3 p.m. • Adults \$15 • Children \$8	(Adults / Children) /	\$15 / \$8	\$15 / \$8	=	
<b>Teddy Bear Tea</b> • Saturday, Dec. 18 • <i>Earl Reum, Magician</i> <input type="checkbox"/> 11 a.m. <input type="checkbox"/> 1 p.m. <input type="checkbox"/> 3 p.m. • Adults \$15 • Children \$8	(Adults / Children) /	\$15 / \$8	\$15 / \$8	=	
Grand Total					

Name \_\_\_\_\_ Daytime Phone \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFC), which enable the Gardens to expand services and enhance the quality of programs and exhibits.



**Name the Denver Botanic Gardens' BEE mascot...**



**BEE creative! BEE fun! BEE a winner!**

*(Fold along dashed line.)*

**1st Prize: \$25 gift certificate to Kazoo & Co.  
and . . .**

**Your picture in Green Thumb News with the BEE!**

**Complete and return by December 15, 1993**

**Your Name** \_\_\_\_\_

**Phone #** \_\_\_\_\_

**Age** \_\_\_\_\_

**BEE's Name** \_\_\_\_\_





*Please fold where indicated, with return address outside. Staple or tape to secure before mailing.*

*(Fold along dashed line.)*

*(Fold along dashed line.)*

**Place  
Postage  
Here**



**Denver Botanic Gardens**

**Name the "BEE"**

**909 York St.**

**Denver, CO 80209**





# Complete Shopping for Holiday Decorating and Gift Giving



The beautiful "Black Santa and Child" is just one of the many unusual figurines that will be available. Continuing clockwise: sisal angels individually decorated; birdhouse and bird feeders; tea pot, spoon holder and mug, especially selected for a gardener; "DBG brand" vinegar, dill dip and honey; a wreath of strawflowers; and dried flowers and wild-flower seeds. In the center are examples of the many culinary mixes and DBG flavorings to be found only at the annual Holiday Sale.





## 'Kidding Around' To Conquer 'The Big Chill'

Sunday, November 7, families are invited to join the DBG Education Department from 10 a.m. to 2 p.m. for "The Big Chill," a hands-on activity that will let kids in on the secrets of coaxing spring-blooming bulb plants to blossom in the winter. They will learn how to have paper white narcissus blooming in their window sills against a backdrop of February's swirling snow.

There is no fee for the monthly "Kidding Around" activities so, since this will be a free admission day for all Colorado residents, why not bring some young friends that aren't members of the Gardens? They can learn to conquer "The Big Chill," too.

## Xeriscape Author Knopf to Speak at DBG

Jim Knopf, landscape architect and author of *The Xeriscape Flower Garden* (Johnson Books, 1989) will address the annual meeting of Xeriscape Colorado! at 2 p.m. Wednesday, November 3, in John C. Mitchell II Hall. His talk will be "Xeriscape: Good Grief, It's Gorgeous"! Members of DBG and of Xeriscape Colorado! are invited to attend free of charge.

Knopf will be available after the lecture to sign copies of his book, which is available in the DBG Gift Shop. Regionally *The Xeriscape Flower Garden* has sold over 20,000 copies and is already considered a classic guide for homeowners who want to minimize watering and create a distinctive, Colorado style garden.

For more information call 370-8054.

## 'Great Garden' Pictured in Mitchell Hall

Photographs entered in DBG's "Picture a Great Garden" contest will be exhibited in John C. Mitchell II Hall Friday through Sunday, November 5 to 7, 9 a.m. to 5 p.m. The photos will depict scenes and plants at the gardens on York Street, Chatfield Arboretum, Walter S. Reed Botanical Garden and Mount Goliath—all areas operated by Denver Botanic Gardens.

Outstanding photographs have been chosen by Channel 7 for airing on their evening news program. Pentax, Robert Waxman, Inc., and Colorado's 7 KMGH-TV were co-sponsors of the contest.

## From Your Membership Office—

### Special Offer for Holiday Gift Memberships

Celebrate the season with DBG! Buy a membership, renew a membership or give a membership (at the \$50 level or above) and you will receive a \$5 gift certificate at the DBG Gift Shop. Holiday gift suggestions in the Gift Shop include birdhouses and bird feeders (to house and feed our feathered friends during the winter weather), wind chimes, and other garden items to remind us all that spring will come again.

Also, don't forget that all DBG members enjoy a 10% discount on purchases of \$10 or more in the Gift Shop. For our \$120 members and up, Birdsall, Bouquets and the Englewood Garden Center & Florist offer discounts on your garden gifts and holiday decorating.



### 'Herald the Season' Brings Three Nights of Cheer!

Members will have the opportunity to preview this year's "Blossoms of Light" displays on Wednesday, Thursday and Friday, December 8-10 from 5:30 to 7:30 p.m. at the Gardens traditional "Herald the Season" celebration. Refreshments, holiday stories from around the world, puppets, carolers, Santa and more—Consult your members-only invitation and call 370-8021 with questions or reservations. Note: Volunteer opportunities for this event are abundant! Please call 370-8049 for details.

### The Four Seasons Affiliates: An Opportunity for You!

The challenge has begun, and the Four Seasons Affiliates need you! For every new Four Seasons member, The Hill Foundation will contribute an extra \$500 to DBG. Our goal for 1993 is 100 members. Currently the Affiliates number 84. If you have been thinking of joining, now is the time! Our easy, monthly bank draft plan is available (for only \$83.33 a month you can enjoy garden tours, lunch with Bill Ruckelshaus, a wine tasting, summer concert tickets and much more). Or a lump sum payment is great, too! For more information about this challenge or about the Four Seasons Affiliates, please call Rhea Brown, major gifts coordinator, at 370-8030.

### Thank You, Barbara—and Hello, Knobby!

Denver Botanic Gardens is pleased to announce that Knobby Brown, a long-time member of the travel subcommittee, has been named the 1994 chairperson of the subcommittee. The Gardens is thrilled to welcome Knobby to this important position, but sad to see Barbara Baldwin, who has been chair of this committee for many years, leave the job. Barbara will continue to serve on the committee and share her wealth of travel wisdom with the group. Best of luck, Knobby! And, thank you, Barbara, for your wonderful contribution to the Gardens.

### Movie Matinee Day

Please join fellow members and their families and friends in John C. Mitchell II Hall on Saturday, November 27 at 2 p.m. for *Miracle on 34th Street*, a holiday film for all ages starring Natalie Wood and Edmund Gwenn. The story of an elderly man who is hired by Macy's to be Santa, and who claims to be the real Santa, will touch the hearts of young and old alike. Begin your holiday festivities with this wonderful story—only \$1 admission and \$.50 for lemonade or popcorn.

### Give the DBG 'Bee' a Name

Bee creative, bee fun, bee a winner! Name the DBG bumble bee mascot, give him some color, and send him in to DBG "Name the Bee" contest. First prize is a \$25 gift certificate to Kazoo and Co., and a photo with the DBG Bee in the January issue of the Green Thumb News. Please include your name, phone number and age...and have fun! Look for the DBG Bee at his holiday debuts for "Herald the Seasons," "Blossoms of Light" and the Teddy Bear Teas.





# DBG PSAs Awarded

Denver Botanic Gardens has won two awards of excellence for television and radio public service announcements (PSAs) from the Colorado chapter of the Public Relations Society of America.

DBG won a first-place "Gold Pick" award for radio announcements promoting its series of "Great Gardening Guides" informational booklets for home gardeners. The media announcements enabled DBG to distribute one or more of the free "Gardening Guides" to more than 7,000 households in Colorado and adjacent states.

DBG's entries were in competition with dozens of corporations and institutions from throughout the state. The PSAs were produced by the DBG Marketing and Special Events Department in cooperation with Public Relations Associates and Denver Center Media, a unit of the Denver Center for the Performing Arts.

# DBG Intern Helps 'Praying Hands'

Tonda Olsen, DBG's Horticultural Therapy intern, worked successfully in 1993 to bring year-round gardening to the therapy program at Praying Hands Ranch in Parker, Colorado. The ranch, founded by Carl and Shirley Hanson as a horseback riding therapy program for autistic children, uses gardening to provide confidence and relaxation in a safe surrounding to improve the effectiveness of the equine therapy program.

One of the crowning achievements of Olsen and the Hansons was securing a greenhouse, thanks to the Douglas R. Schwartz Foundation, for the horticultural program. The Praying Hands Ranch program was chosen by the foundation from a large number of applicants nationwide. Olsen began in March to develop the horticultural therapy program at the ranch, working with volunteers to design and build a series of gardens for weekly therapy sessions for young people.

Praying Hands Ranch was dedicated to therapy seven years ago as a result of the Hanson's search for a solution to help their own autistic son lead a more normal life. Horseback riding encourages balance, coordination and social skills. The gardening is an important prelude, relaxing the muscles and providing secure enjoyment for the young participants.

In the words of Shirley Hanson, who trained in DBG's Horticultural Therapy Program, "It opens the door."

# Give a DBG Membership!

## GENERAL BENEFITS FOR ALL MEMBERS

- Free admission to York Street and Chatfield facilities
- *Green Thumb News* and *Mountain, Plain & Garden* magazine
- Discounts on classes and field trips
- 10% discount at Gift Shop and at the Plant & Used Book Sale
- Early admission to the Plant & Used Book Sale
- Free plant upon joining and yearly plant dividend
- Borrowing privileges at Helen Fowler Library

- ☐ **THE GARDENER** – \$25 – Admits one. One guest pass.
- ☐ **THE LANDSCAPER** – \$35 – One card. Admits two. Two guest passes.
- ☐ **THE ARBOR CIRCLE** – \$50 – Two cards. Each admits one adult, two children; **summer concert discounts**; greenhouse tours. Four guest passes.
- ☐ **THE BOTANIST CLUB** – \$120 – Two cards. Each admits one adult, two children; four individual summer concert tickets; ticket and merchant discounts; greenhouse tours. Ten guest passes.
- ☐ **CONSERVATOR'S SOCIETY** – \$240 – Two cards. Each admits one adult, two children; eight individual summer concert tickets; ticket and merchant discounts; greenhouse tours; breakfast in the Gardens; pre-concert cocktails for two. Ten guest passes.

**For each membership of \$50 or higher, the donor will receive a certificate worth \$5 on any DBG Gift Shop purchase.**

Please send a gift membership to:

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_

Work Phone \_\_\_\_\_

Donor's Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Sign gift card \_\_\_\_\_

Mail gift card ☐ to recipient, ☐ to me, by (date) \_\_\_\_\_

Enclosed is my check for \$ \_\_\_\_\_ to Denver Botanic Gardens.

Charge membership to ☐ VISA ☐ MC

# \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

**Recipients receive a card informing them of your gift plus a free plant that may be picked up at the Gardens.**

Questions? Call 370-8029.

Please return this form with payment to:  
Denver Botanic Gardens Membership Office  
Dept. 251  
Denver, CO 80291-0251

To order by phone call 370-8029.



Denver Botanic Gardens, Inc.

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Denver, Colorado 80206

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Address correction requested

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NOVEMBER

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the fall *Education Programs* quarterly, or call 370-8020.

- |  |  |
|--|--|
| 1 Carl W. Tempel Wildflower Lecture  | 8 <i>Case of the African Violet</i><br>* <i>Rescape Your Landscape</i> |
| 2 * <i>Landscape Plants for Professionals:</i><br><i>Part III</i>                    | 9 <i>Winter Border Preparation</i>                                     |
| 3 <i>Holiday Herbs</i><br>* <i>Introduction to HT Part IV: Activities</i>            | 11 <i>Beeswax Candle Making</i>  |
| 4 <i>Beeswax Candle Making</i><br>* <i>Beyond Phalaenopsis</i>                       | 10 Bonfils-Stanton Lecture:<br>Elisabeth Sheldon, Flamboyant Gardener  |
| 5 -7 "Picture a Great Garden" Photography<br>Exhibit                                 | 13 <i>Advanced Holiday Ornaments</i><br><i>from Straw &amp; Wheat</i>  |
| 7 Kidding Around: The Big Chill<br>DBG Free Day<br><i>Hearty Tuscan Winter Soups</i> | 13, 14 Denver Orchid Society Fall Show & Sale                          |
|  | 14 <i>Behind-the-Scenes Greenhouse Tour</i>                            |
|  | 19, 20 DBG Holiday Sale  |
|  | 30 * <i>Botanical Illustration III</i>                                 |

## Denver Botanic Gardens' Holiday Sale- November 19 & 20!



## Colorado's Premier Jazz Ensemble, Wind Machine Plays for 'Blossoms'

Colorado's  
premier jazz  
ensemble,  
Wind Machine,  
will perform  
December 16,  
in John C.  
Mitchell II Hall  
at one of  
five Holiday  
Concerts.







## 'Blossoms of Light' Schedule

December 8, 9 & 10  
"Herald the Season" (members only)

December 11  
Public Opening Ceremony \*  
Volunteers' Holiday Party  
Teddy Bear Teas

December 11 to January 1  
Nightly Entertainment \*

December 14  
Concert: Lannie Garrett

December 16  
Concert: Wind Machine

December 18  
Teddy Bear Teas

December 21  
Concert: Southern Exposure & Jim Salestrom

December 23  
Concert: James Van Buren

December 28  
Concert: Play-Ground Theatre

\* Included in admission fee

**Information: 370-8187**

# NEWS

Denver Botanic Gardens

December 1993

Number 93-12

## DBG Glows with New Displays for '93 'Blossom'

DBG's annual "Blossoms of Light" will sport exciting new outdoor light displays this year for the pleasure of its evening visitors. Over twice the area as last year will sparkle with the bright lights and charming vignettes that have become a tradition in Denver's December night life.

Hours for the public are 6 to 9 p.m. daily, December 11 through January 1.

However, DBG members have been invited to preview the displays during "Herald the Season," December 8, 9 and 10, and all DBG volunteers may attend a special holiday reception December 11, from 5 to 6 p.m., before the public opening ceremony at 6:15 p.m. Refreshments will be served at these preview events, and reservations are required: Call the membership events office at 370-8021 or the volunteer coordinating office at 370-8049.

The light displays have been designed to reflect the Gardens' dedication to plants and the natural world. The most prominent will be a

giant "Christmas tree," complete with presents, wrapping the south side of Boettcher Memorial Conservatory all the way to its top. Visitors will enter the Gardens through a redesigned double arch of evergreens with a 20-foot high replica of DBG's famous logo, and pastel "flower petal" shades will cloak the globes on the arching lamp posts.

The amphitheater will be the setting for two fun displays that, for the first time at the Gardens, combine the magic of colorful lights with the excitement of motion. The still-secret displays will certainly charm you and lift your holiday spirit to a new level.

Admission to "Blossoms of Light" is \$3. People 62 and older or 6 to 15 can enter for \$2. Admission includes entertainment. Each evening at the entrance to Lobby Court, dancers, singers or other entertainers will perform. A concessionaire will offer hot cider, roasted chestnuts and other winter fare. Members with identification are admitted free.

KMGH-TV is again promoting the event, in conjunction with Denver Zoo's "Wildlights," as "Colorado 7's Holiday Fantasy." Tickets for both "Blossoms of Light" and "Wildlights" are \$5 and may be purchased at King Soopers markets, the Zoo or DBG's ticket window at the 1005 York St. entrance. The joint tickets are \$3 for people 62 and older and 6 to 15.

DBG's 1993 "Blossoms of Light" celebration is made possible by underwriting from Rickenbaugh Volvo and funds from the Scientific & Cultural Facilities District. The light displays were designed especially for the Gardens by LightScapes.

Please see additional articles on "Blossoms of Light" activities inside this issue:

- *Children's activities*, p. 3
- *Gift Shop hours*, p. 3
- *Food, clothing donations*, p. 3
- *Teddy Bear Teas*, p. 4
- *Holiday Concerts*, p. 5
- *Poinsettia displays*, p. 6

### Inside:

*Tax tips*  
page 2

*Photo contest winners*  
page 3

*DBG Endangered Plant Program*  
page 6

*Info for members*  
page 7



## From the Executive Director

Now that winter has settled in and we've put our gardens to bed, it's time to do a little indoor armchair gardening. There's no better place for this than DBG's own Helen Fowler Library. It has been an invaluable benefit of membership, almost since DBG was founded.

Over 20,000 books, 5,000 pamphlets, dozens of videos and 500 periodicals await to stimulate your imagination, and the knowledgeable staff of Specialist Librarian Solange Gignac are always ready to serve you.

If you are eager to see next season's seed catalogs, most of them have already arrived in the library, and you may be interested in a special class Saturday, January 15, on how to use them.

If you are planning a winter vacation, you can browse the collection of books on gardens of the world, or, if you are botanically inclined, check out a flora of your destination to acquaint yourself with the plants you will see.

We are grateful to all the members who have supported the library over the years, and to the volunteers who make it work, including those who prepare and run the annual used book sale that makes possible the purchase of new books. In addition, we thank the taxpayers of the Scientific & Cultural Facilities District, whose support is vital to the library and many other programs at Denver Botanic Gardens.

*—Richard H. Daley*

### Employee of the Month

Solange Gignac, Specialist Librarian, was honored as October employee of the month.

In her tribute, fellow employees noted, "Solange is the quietest asset at DBG; the information she has at her fingertips is astounding. And her hard work at the used book sale brings much needed income to continue to build the Helen Fowler Library into the first-rate horticultural library it is."

Solange joined the Gardens' staff January 4, 1971, when Dr. Gambill was Director—and when DBG's fledgling library was in the Waring House.

Thank you for your many years of guiding DBG's library to greatness, Solange. And congratulations!



### Four Major Cultural Offer Dec. Free Days

Denver's four major cultural agencies will each offer free days for Colorado residents in December:

- Denver Art Museum, every Saturday
- Denver Museum of Natural History, Monday, December 6
- DBG, Wednesday, December 8
- Denver Zoo, Saturday, December 11.

The institutions are able to drop their admission fees for these days because of funds they receive from the Scientific & Cultural Facilities District.

### Tributes

#### In memory of Viola Holland

Mr. and Mrs. Ronald H. Resnick

#### In memory of C. Arthur Lyman

Mr. and Mrs. Theodore J. Holmes, Jr.

#### In memory of Dr. D.H. "Sam" Mitchel

Mr. Robert D. Brace  
Ms. Maxine Leonard

#### In memory of Mr. and Mrs. Price Righter

Mr. and Mrs. Harlan Holben

## Looking Ahead to Tax Time

The 1993 Tax Act has some surprising opportunities for people with charitable interests, and now is the time to act to take advantage of them. The good news is:

- You may find that your charitable gifts will cost less after-tax because of provisions contained in the new tax law.
- Gifts of non-cash property, including appreciated securities, may be especially attractive because the alternative minimum tax relating to charitable gifts has been repealed.

The fact that the tax act may increase your tax rate and that the new rate is retroactive to the beginning of 1993 may provide you with additional incentive to consider a gift to Denver Botanic Gardens before year end.

Please note: Revised membership tax deduction information will be printed in next month's Green Thumb News. The fair market value of your DBG membership is substantial, so only a small portion is tax deductible. End-of-year contributions to the Gardens over the cost of your membership are completely tax deductible to the extent that the law provides.

If you would like additional information about planning your year-end gifts please call Molly Williams, director of membership and development, 370-8027.

### Green Thumb News Number 93-12 December 1993

Published monthly by the Marketing and Special Events Department of Denver Botanic Gardens, 909 York St., Denver, CO 80206

Editor: Larry Latta, 370-8033

Deadline for January issue: Nov. 19

Denver Botanic Gardens and Chatfield Arboretum are established and maintained by Denver Botanic Gardens, Inc., for the people of the City and County of Denver and for the general public in cooperation with the Denver Parks and Recreation Department. Denver Botanic Gardens is also grateful for funds from the Scientific & Cultural Facilities District (SCFD), which enable the Gardens to expand services and enhance the quality of programs and exhibits.





## DBG Gift Shop Open Evenings During 'Blossoms'

Shoppers will have 10 hours a day during "Blossoms of Light" to take advantage of the amazing selection of gifts and decorations in the Denver Botanic Gardens Gift Shop: In addition to its regular daily hours of 10 a.m. to 5 p.m. the shop will remain open in the evenings from 6 to 9 p.m.

The DBG Gift Shop carries an extensive stock the year around, but during the holiday season the selection is even better. This year, too, new display shelves will allow the shop to offer more merchandise than was possible previously.

The book section, in particular, will display twice the volumes. They will range from magnificent pictorials to inexpensive, but practical, identification guides. Of interest are the many pretty styles of garden journals, some with blank pages, others illustrated with botanical prints. The Gift Shop also carries back issues of DBG's Mountain, Plain and Garden horticultural magazine—an information-packed stocking stuffer for new gar-

## DBG to Collect Food & Clothing for Those in Need

Visitors to Denver Botanic Gardens during December can help the holidays blossoms for those in need by bringing articles of winter clothing accessories or non-perishable food. DBG will accept the donations on behalf of nine regional human services agencies.

New mittens, gloves, scarves, hats and socks are needed, as well as canned or boxed food. Each visitor who donates to DBG's "Giving Trees" will receive a coupon for \$1 price reduction on a future daytime admission, January 2 through April 30, to either Denver Botanic Gardens or Denver Zoo.

The agencies that will receive the goods are Alternatives to Family Violence, in Adams County; Boulder Safe House; Crisis Center of Douglas County; Denver Rescue Mission; Gateway Battered Women's Shelter, in Arapahoe County; Safe House, in Denver; Sharing and Caring Ministries of Denver; Volunteers of America; and Women in Crisis, of Jefferson County.

Representatives of one of these agencies will be at the Gardens each evening during "Blossoms of Light" to assist in the delivery of donated items. Visitors are also encouraged to talk with these volunteers to learn about their programs.

deners or gardeners new to Colorado.

The shop accepts major credit cards. For the undecided shopper it offers gift certificates. Best of all, the funds generated by the Gift Shop support programs of Denver Botanic Gardens.

If you would like more information, please call 370-8079.

## Saturday Kids' Class: 'Wondrous Creation'

Saturday morning, December 4, a DBG class for children will get them in from the cold and into artistic creativity. "A Wondrous Winter Creation" will have kids creating a vivid hanging for their window or wall from plant dyes, old crayons and fabric.

The class is suitable for ages 8 to 11. Hours are 9:30 to 11:30 a.m. The instructor is Barbara Brown, an author and enthusiastic science teacher.

Call the education office, 370-8020, to register.

## 'Nature's Workshop' Projects for Kids

Monday and Wednesday evenings during "Blossoms of Light" the Denver Botanic Gardens education staff will offer "Nature's Workshops," hands-on projects that engage children and their adult companions in make-it-and-take-it holiday craft projects related to plants or other aspects of nature.

"Nature's Workshops" will be 6 to 9 p.m. on the following dates:

- Monday, December 13, Dried-Flower Ornaments
- Wednesday, December 15, Creative Candle-Making
- Monday, December 20, Wrapping Up the Holidays
- Wednesday, December 22, Straw and Wheat Ornaments
- Monday, December 27, Papershites and Pebbles
- Wednesday, December 29, Gifts for the Birds

The workshops are included in the "Blossoms of Light" admission fees; no reservations are needed.

## 'Picture a Great Garden' 800 Times

Amateur photographers entered over 800 photographs in DBG's "Picture a Great Garden" contest that ended in October. The winners and other outstanding photographs were displayed at the Gardens and seen on television.

The first-prize winning photograph in the youth division was "Lavendula Lili-um" by Ellery Smith of Littleton. Second place was "Untitled" by Jason Hedrick of Aurora, and third place was "A Hard Day's Work" by Brandon Morris of Denver.

In the adult division, first prize was awarded to Larry Finklin of Littleton for his photo "Bristlecone Stump." Second prize went to George Brown of Byers for "Bouquet," and third prize to Clark Griep of Broomfield for "Shades of Green."

First prize in each division was a Pentax SLR camera valued at around \$800. The contest was judged by representatives from Robert Waxman Camera and Video, Pentax, Colorado's 7 KMGH-TV, Pallas Photo and Denver Botanic Gardens.

## Poster Contest Deadline January 1

A reminder to artists: The deadline for the 1994 Plant and Used Book Sale fine art poster contest is January 1. Winning artist will receive a \$1,500 cash award.

Entries should reflect a botanical or horticultural theme. Scenes depicted need not be at the Gardens, but the works must be in oil, acrylic or egg tempera. For complete contest rules, call 370-8187.



"Lavendula Lily"



"Bristlecone Stump"



## Garden & Nature Calendars for Garden & Nature Lovers

If you are like me you have several decorative calendars around the house, but only one is usually turned to the right month. We can't resist acquiring more calendars than we actually need, to keep current.

Gone are the days when we received several free ones each year, as valued customers of the lumber company, the dairy or the bank. Now they are pretty pricey items, and you buy them in bookstores, boutiques or Denver Botanic Gardens' Gift Shop. Many of them make interesting gifts.

Here's a brief overview of several 1994 calendars that would appeal to gardeners and nature lovers.

One of the prettiest is "Rocky Mountain Wildflowers," published by Fulcrum Publishing in Golden. Its charm comes from the exquisite illustrations of Angela Overy, a Sedalia, Colorado, artist who is also co-director of DBG's School of Botanical Illustration. Each month's name is formed from wildflowers and leaves that you might actually see during the month. A wildflower portrait illustrates the month, photographed by noted wildflower photographer and botanical historian Robert Heapes. The calendar sells for \$10.95. A companion poster, consisting of the names of the months, is also available.

Another calendar that takes its illustrations from botanical illustration is a calendar called "Gentle Conquest." Its lively notes on the botanical exploration of North America are written by James Reveal and the illustrations are from the holdings of the Library of Congress. It is unfortunate that the text pays so little attention to the artists of the illustrations, informative as it is about early plant explorers and botanists. For lovers of

old illustrations and the history of botanical discovery this calendar will be the one displayed most prominently in the house. It is published by Fulcrum Publishing for \$10.95.

If someone you know recently moved from the state, a calendar of Colorado scenes may alleviate their homesickness. "Colorado: Changing Seasons," published by R.L. Castellino Designs of Boulder, offers 12 "perfect" scenic photographs. Unfortunately, they're so perfect they seem positively plastic. It is easy to imagine them printed on the washable place mats of a small-town cafe. It would be impossible to enjoy any of the photographs for the duration of a month. Their square format doesn't help. The calendar sells for \$10.95.

"Earth Friendly Gardening" is as much a treatise as a calendar. The photographs are definitely horticultural in nature and, as such, are interesting; some are quite lovely. The text, which coaxes us to adopt earth friendly solutions in gardening, is by Ellen Henke, Ph.D., "America's Plant Doctor" (trademarked!). Henke is a gardener and television personality who has appeared on several national soft news programs. This Fulcrum Publishing calendar is \$10.95.

Another one from Fulcrum, with much more, and more specific information is "Gardener's Guide," "a calendar for planting, care and recordkeeping," with information specifically geared toward the Southwest and Rocky Mountains. Besides beautiful but unexceptional photographs of flowers, it offers month-by-month eco-tips, space for keeping garden records and reminders for planting. It costs \$10.95.

"Perennials for all Seasons" offers

not only prettier pictures, by photographer Jerry Pavia, but solid encouragement for growing common and unusual perennials. The text by garden writer Louise Carter also touches on garden design and plant culture. Another Fulcrum Publishing calendar, it too sells for \$10.95.

By far my favorite calendar each year is "Big Trees," sold by American Forests (formerly, American Forestry Association.) It celebrates the largest specimens in America of each species of tree. In 1994 it pays tribute to over 850 species, naming the person who has nominated the specimen for "big tree" status, providing its measurements and giving its location. Each monthly photograph inspires awe, if not reverence, for a different green giant—although, for some species, "giant" may mean only 15 to 20 feet tall. The calendar is produced for American Forests each year by the Davey Tree Expert tree care company. You can order it from American Forests, P.O. Box 2000, Washington, D.C. 20013-2000 for \$6.95; multiple calendars are \$5.95 each. Include \$1 each for shipping.

"Big Trees" is the calendar at my house that is always open to the current month.

—Larry Latta

## Library Group Finishes Periodicals Grant

In September a Denver cultural libraries group that includes Denver Botanic Gardens' Helen Fowler Library completed a computerized list of all periodicals held by the libraries. The work was underwritten by a \$32,057 grant from the Library Services Construction Act, a federal funding program.

The list of over 4,000 serials received by the libraries through either current or past subscriptions will allow the computerized sharing of materials among members of the Online Computer Library Center. Other libraries, not on the OCLC network, will be able to receive the list in hard copy.

The other cultural libraries participating in the grant were those at The Colorado Historical Society, The Denver Art Museum and Denver Museum of Natural History. They were assisted in securing the LSCA grant by Colorado State Library.

## Teddy Bear Teas Brighten Saturdays for Kids

Two Saturdays in December will be devoted to DBG's entertaining Teddy Bear Teas for children. The teas are modified versions of traditional British high teas, with substantial food, tasty teas and holiday entertainment.

Children are encouraged to bring a favorite doll or teddy bear to share the experience with them, and, of course a parent, grandparent or friend. The teas are very popular and sell out quickly.

Entertainment December 11 will be by Eric West, a musician and storyteller sure to brighten the holidays for kids. December 18 the chil-

dren will be enthralled by magician Earl Reum.

There will be three seatings each day, at 11 a.m. and at 1 and 3 p.m. Tickets are \$8 for children and \$15 for adults. For reservations and additional information call 370-8187.

The 1993 Teddy Bear Teas are sponsored by Robinson Dairy. Tea will be donated by Celestial Seasonings.



## Lannie Garrett and her 16-piece band

Songstress Lannie Garrett and her 16-piece band lead off the Holiday Concert series with an evening of



ballads and blues Tuesday, December 14. Garrett has garnered six straight "Best Female Vocalist" awards from readers of The Denver Post and has been named "Best Singer" by both Westword and Denver Magazine. She builds her performance with an uncanny mix of comedy, charisma and a voice that can be "lush and loud, then smooth, then raucous."

## Wind Machine

Thursday, December 16, another contemporary legend of Colorado's music scene takes the stage: Wind Machine brings its unique brand of jazz to Mitchell Hall. Wind Machine frequently tours internationally and has issued a half-dozen popularly received recordings. You will enjoy their beautiful instrumental voice interpreting their own works and traditional holiday music.

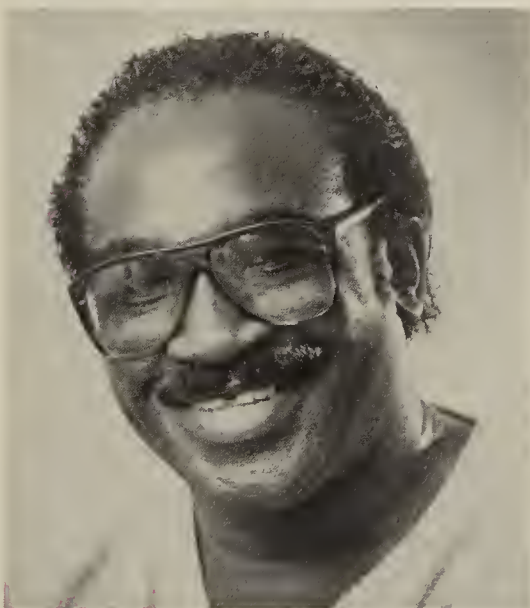


Get ready to enjoy a varied entertainment palette this December, as DBG's 1993 Holiday Concert Series offers evenings of big band ballads, instrumental jazz, contemporary bluegrass, blues and family theater.

Tickets for the first four concerts are \$8 (nonmembers \$9). The performance by The Play-Ground Theatre is \$5 (\$6 for nonmembers). All performances begin at 7 p.m. and are in John C. Mitchell II Hall, 1005 York St. For information and tickets, call 370-8187.

## James Van Buren

Thursday, December 23, Kansas City blues man James Van Buren will share his original vocal style with DBG audiences. Van Buren, who has settled in Denver, performs festivals



across the United States and Europe. He and his hand-picked instrumentalists fuse the rhythm and improvisation of jazz with the emotion and spirituality of the blues. This will be an evening of great music, sure to melt away the winter doldrums.

## Southern Exposure

Last year contemporary bluegrass exponent Southern Exposure established itself as one of the Gardens' favorite bands. It returns for our



pleasure Tuesday, December 21. Southern Exposure's versatility, humor and pleasant audience rapport will be preceded by a special attraction, Emmy Award winning singer/songwriter Jim Salestrom.

## The Play-Ground Theatre

The pace gets zany the evening of Tuesday, December 28, with The Play-Ground Theatre in a specially priced, high-energy family variety



show. "Music, Mischief and Magic" will be an evening of fairy tale comedy, environmental fable and other theatrical pieces that will get you totally involved in what has been called "one of the finest theatrical experiences for young people to be found anywhere."

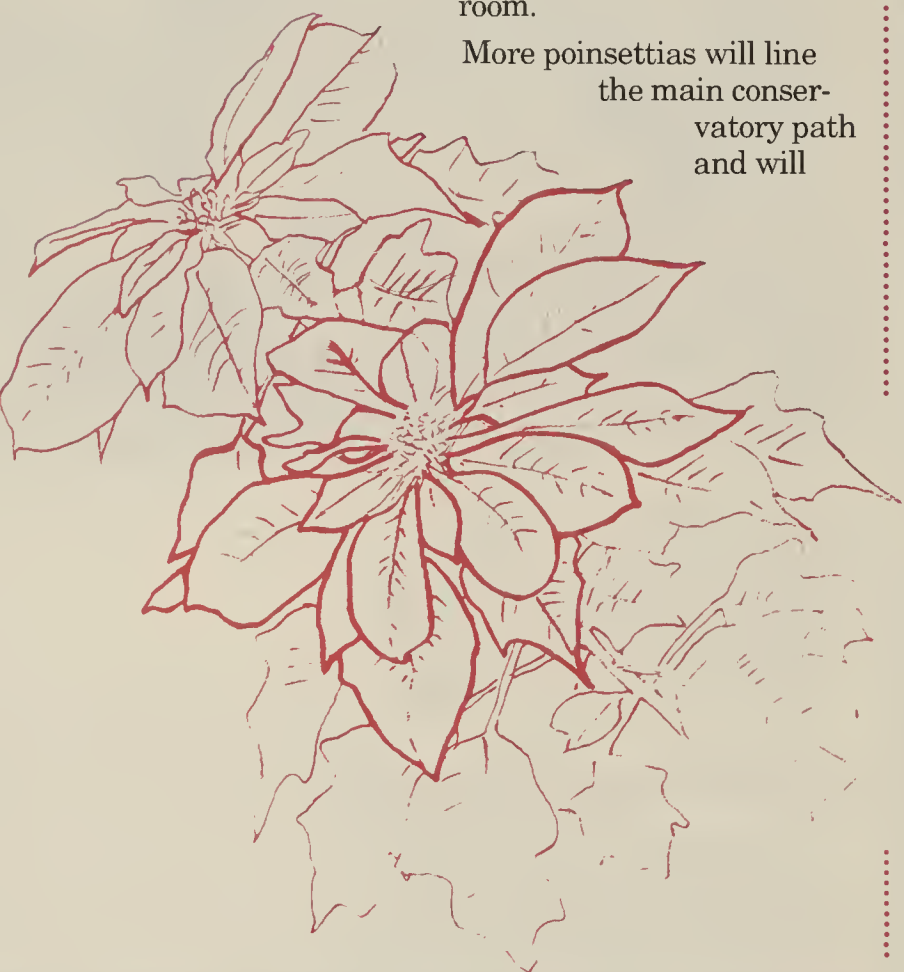


## Poinsettias Are 18-Year Mainstays of DBG's Holiday Decor

Indoors, Denver Botanic Gardens will be aglow again this year with thousands of poinsettias and shimmering white lights.

The focal point of the floral extravaganza will be Lobby Court and its 12-foot "tree" of white poinsettias. The tree's base will flow into a field of Pink Peppermint poinsettias. A half-dozen large poinsettia standards will brighten other areas of the room.

More poinsettias will line the main conservatory path and will



lead to a display of tropical plants in Marnie's Pavilion featuring orchids, bromeliads and the new yellow poinsettia cultivar 'Lemon Drop'.

Since 1975 the poinsettias for DBG's winter displays have been grown in the City Park Greenhouses of the Denver Parks and Recreation Department. Supervised by long-time city employee Joe Kiss, the facility devotes 7,000 feet of growing space and thousands of employee hours to produce DBG's plants—which this year will number over 3,000.

It is a year-round project that starts anew at the end of each holiday display. Production begins by saving 10 to 30 stock plants of each variety. From June through August Kiss' staff takes thousands of cuttings and roots them in special propagation benches. Depending on the finish desired, one to six rooted cuttings are planted in each pot, given plenty of space to grow, meticulously watered and fertilized.

Variations in height, flower quantity and size of bracts is controlled by appropriately timed pinching. The more often a plant is pinched the more branches it will have and, consequently, the more flowers. Some of the most spectacular plants produced at the greenhouses recently have been plants of the cultivar 'Supjibi' grown with no pinching, which has resulted in bract

heads—"flowers"—the size of plates.

An interesting addition to DBG's 1993 display will be special standard-form poinsettias. These are made from several varieties and have the appearance of small, round-headed trees. Although the technique is simple it requires years of patience and regular attention to achieve the quality DBG is fortunate to exhibit.

This year the City Park greenhouse staff has done a terrific job to help make DBG look good for the holidays. Please stop in during December to enjoy the beautiful 18th annual Denver Botanic Gardens-City Park Greenhouses poinsettia display.

—Gary Davis, Operations Supervisor  
and Joann Narverud, Grounds Supervisor

## Webb Continues Denver's Backyard Composting Program

Mayor Wellington Webb has submitted a 1994 budget that includes \$75,000 to continue and expand a program to encourage Denver households to become composters of kitchen and yard wastes. The program will be administered cooperatively by Denver Botanic Gardens and Denver Recycles, an office of Denver's Department of Public Works, Solid Waste Management Division.

In its second year the program will continue to educate Denver households about the benefits of recycling organic materials into compost. Backyard composting not only yields a nutrient-rich, water-conserving soil conditioner but helps reduce demand on municipal landfills.

DBG will train 50 volunteer Master Composters in composting, bin construction and public relations. The trained volunteers will assume the majority of the composting program's educational duties, speaking at schools, environmental fairs, farmers' markets and neighborhood associations. They will also staff and maintain DBG's model compost demonstration project.

Recruitment of Master Composters will be early in 1994. For information call DBG Volunteer Coordinator Joedy Arnold, 370-8049, or Community Gardens Coordinator Judy Elliott, 370-8042.

## DBG Conservation Program Wraps Up Exciting Year

The DBG rare plant conservation program has wrapped up an exciting year that included cooperative efforts to improve wildlife habitat at Rocky Mountain Arsenal and to protect a globally rare plant.

Because of the experience Denver Botanic Gardens has gained in propagating rare native plants, DBG was enlisted to produce 10,000 native shrub seedlings to plant at Rocky Mountain Arsenal for a project supported by a grant from Shell Oil Company. Seeds and cuttings were collected at the site and brought to the Gardens for propagation. The funds also enabled building a temporary greenhouse at Chatfield Arboretum and the planting of 400 sand sagebrush, *Artemisia filifolia*, seedlings; the remaining shrubs will be planted next year.

Through research botanist Carol Dawson, DBG also formed a partnership with The Nature Conservancy and a cement company, Holnam, Inc., to protect the roundleaf four-o'clock,

*Oxybaphus rotundifolius*. The globally rare species is found near Colorado Springs. Approximately 300 plants were tagged and seeds collected for study and to increase the species' numbers for later reintroduction to its home, which is being reclaimed on Holnam's property. Dawson will continue to study the roundleaf four-o'clock for several years, both in its remaining habitat and in Denver Botanic Gardens' Endangered Species Garden at 1005 York St.

The rare plant program benefited this year from the assistance of two student interns from the University of Colorado at Denver. The Center for Plant Conservation provided another intern from the University of Denver. The interns helped propagate and grow rare plants and the plants for the arsenal, and to analyze data in ongoing projects.



## From Your Membership Office

### "Herald the Season"...a Reminder

"Herald the Season," DBG members' preview celebration of the "Blossoms of Light" decorations, will be Wednesday, Thursday and Friday, December 8, 9 and 10 from 5:30 to 7:30 p.m. each evening. The event will bring much excitement to all ages. There will be refreshments, holiday stories from around the world, Santa, puppet shows, music and much more. Reservations are limited, so make yours soon by calling 370-8021.

### DBG Bee Still Needs Name

Don't forget to send your suggestion in for the name of the DBG Bee. Entries are due by December 15. The winner will receive a \$25 gift certificate to KAZOO & Company and have their picture in the GTN with the Bee. So "bee creative," and send in a name. (Please see the yellow flier that came with your November Green Thumb News.)

### Members Save in Gift Shop

Members can save two ways this holiday season. As always, all current members receive a 10 percent discount on DBG Gift Shop purchases of \$10 or more.

In addition, by renewing your membership or giving a new one at the \$50 Arbor Circle level of membership, or above, before the end of the year, you will receive a \$5 Gift Shop certificate. If your membership will expire in 1994, consider renewing early to take advantage of this special offer.

For speedier service, you may use your VISA or Master Card. Call 370-8060.

## Give a DBG Membership!

7

### GENERAL BENEFITS FOR ALL MEMBERS

- Free admission to York Street and Chatfield facilities
- *Green Thumb News* and *Mountain, Plain & Garden* magazine
- Discounts on classes and field trips
- 10% discount at Gift Shop and at the Plant & Used Book Sale
- Early admission to the Plant & Used Book Sale
- Free plant upon joining and yearly plant dividend
- Borrowing privileges at Helen Fowler Library

☐ **THE GARDENER** – \$25 – Admits one. One guest pass.

☐ **THE LANDSCAPER** – \$35 – One card. Admits two. Two guest passes.

☐ **THE ARBOR CIRCLE** – \$50 – Two cards. Each admits one adult, two children; **summer concert discounts**; greenhouse tours. Four guest passes.

☐ **THE BOTANIST CLUB** – \$120 – Two cards. Each admits one adult, two children; four individual summer concert tickets; ticket and merchant discounts; greenhouse tours. Ten guest passes.

☐ **CONSERVATOR'S SOCIETY** – \$240 – Two cards. Each admits one adult, two children; eight individual summer concert tickets; ticket and merchant discounts; greenhouse tours; breakfast in the Gardens; pre-concert cocktails for two. Ten guest passes.

**For each membership of \$50 or higher, the donor will receive a certificate worth \$5 on any DBG Gift Shop purchase.**

Please send a gift membership to:

Name(s) \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Home Phone \_\_\_\_\_

Work Phone \_\_\_\_\_

Donor's Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Sign gift card \_\_\_\_\_

Mail gift card ☐ to recipient, ☐ to me, by (date) \_\_\_\_\_

Enclosed is my check for \$ \_\_\_\_\_ to Denver Botanic Gardens.

Charge membership to ☐ VISA ☐ MC

# \_\_\_\_\_ Exp. \_\_\_\_\_

Signature \_\_\_\_\_

**Recipients receive a card informing them of your gift plus a free plant that may be picked up at the Gardens.**

Questions? Call 370-8029.

Please return this form with payment to:  
Denver Botanic Gardens Membership Office  
Dept. 251  
Denver, CO 80291-0251

To order by phone call 370-8029.



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Address correction requested

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# DECEMBER

## Coming Up

Classes are in italics. An \* indicates the first meeting of a class with more than one session. A ☼ indicates a class held at Chatfield Arboretum. For course information see the fall *Education Programs* quarterly, or call 370-8020.

- |           |  |    |   |
|-----------|--|----|---|
| 1         | * <i>Holidays are for the Birds</i>  | 11 | <i>An Evergreen Bough<br/>Holiday Plants</i>  |
| 2         | <i>Apple, Bay Leaf &amp; Orange Rings</i>  | 14 | Concert: Lannie Garrett                       |
| 4         | ☼ <i>Hay Ride</i>  | 16 | Concert: Wind Machine                         |
|           | <i>Holiday Evergreen Wreath</i>  | 18 | Teddy Bear Teas                               |
|           | ☼ <i>Native Edible &amp; Medicinal Plants</i>  | 21 | Concert: Southern Exposure &<br>Jim Salestrom |
|           | <i>Pine Cone Chains</i>  | 23 | Concert: James Van Buren                      |
|           | <i>A Wonderous Winter Creation</i>   | 28 | Concert: Play-Ground Theatre                  |
| 7         | <i>Holiday Birch Wreath</i>  |    |   |
| 8, 9 & 10 | "Herald the Season" (members only)   |    |   |
| 11        | "Blossoms of Light" Opening Ceremony<br>Volunteers' Holiday Party<br>Teddy Bear Teas |    |   |

**'Blossoms of Light' to Shine at Gardens  
Throughout December**

**BLOSSOMS  
OF LIGHT**

Phlox Multiflora  
from the piceance  
basin where much of  
DBG's endangered  
plant research has  
been done (please  
see page 6).

